

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE040419\
 Data File : BE099295.D
 Acq On : 4 Apr 2019 18:14
 Operator : JU/SJ
 Sample : PB118607BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB118607BSD

Quant Time: Apr 05 04:25:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE040219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 02 17:16:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	3860	0.40	ng	-0.02
7) Naphthalene-d8	10.61	136	12962	0.40	ng	-0.01
13) Acenaphthene-d10	14.46	164	7507	0.40	ng	-0.03
19) Phenanthrene-d10	17.19	188	19142	0.40	ng	-0.03
27) Chrysene-d12	21.37	240	22284	0.40	ng	-0.02
34) Perylene-d12	23.86	264	25081	0.40	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.40	112	3204	0.31	ng	-0.01
5) Phenol-d6	6.98	99	4274	0.30	ng	-0.01
8) Nitrobenzene-d5	8.98	82	3177	0.36	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	10560	0.47	ng	-0.01
14) 2,4,6-Tribromophenol	15.94	330	762	0.22	ng	-0.01
15) 2-Fluorobiphenyl	13.09	172	10956	0.37	ng	-0.01
25) Fluoranthene-d10	19.22	212	75235	0.30	ng	-0.02
29) Terphenyl-d14	19.82	244	12860	0.32	ng	-0.02

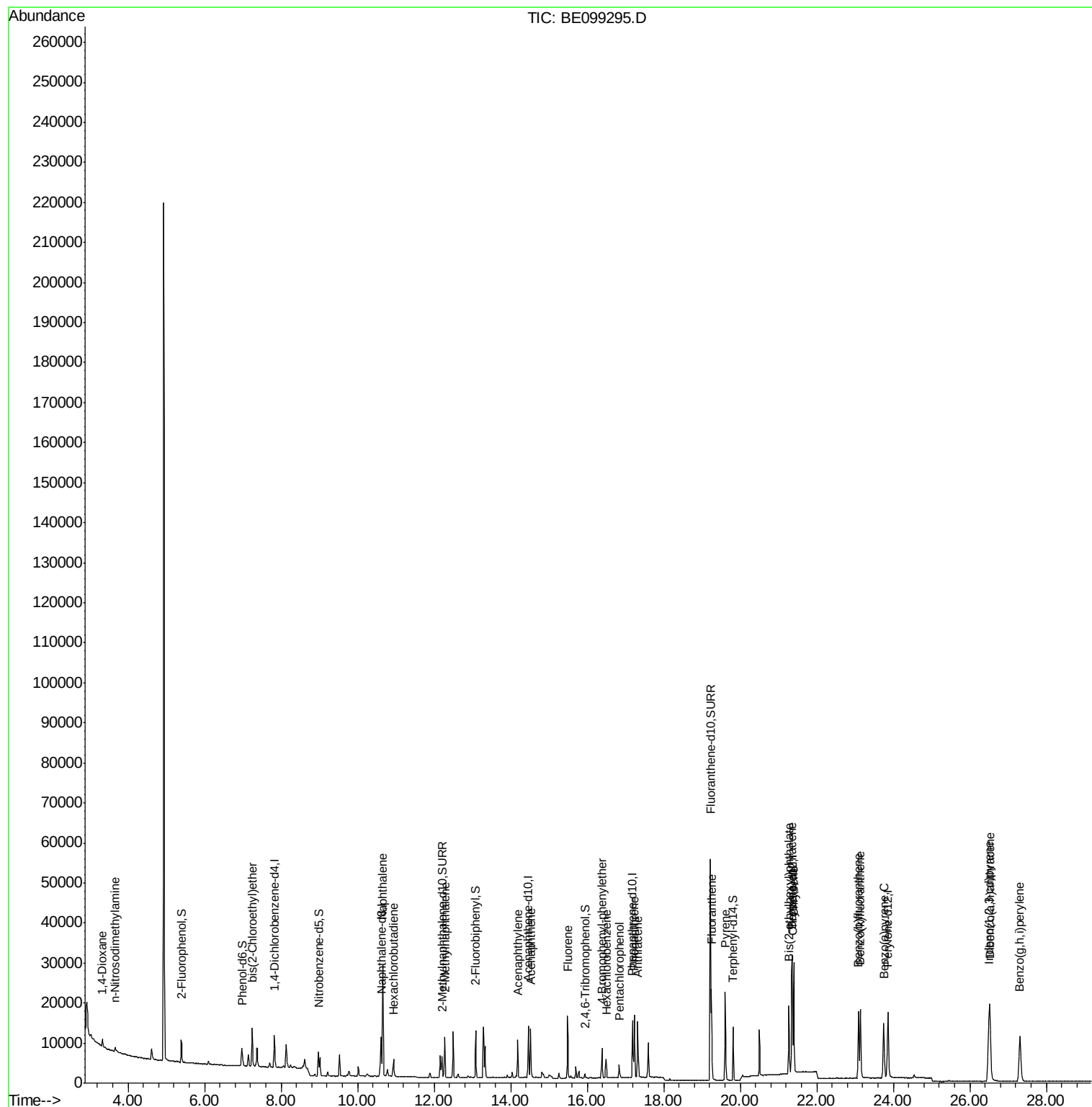
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.33	88	1563	0.297	ng	# 70
3) n-Nitrosodimethylamine	3.66	42	1101	0.355	ng	# 77
6) bis(2-Chloroethyl)ether	7.24	93	3934	0.311	ng	100
9) Naphthalene	10.65	128	47339	0.336	ng	99
10) Hexachlorobutadiene	10.94	225	2968	0.324	ng	98
12) 2-Methylnaphthalene	12.28	142	7562	0.315	ng	99
16) Acenaphthylene	14.18	152	10663	0.300	ng	99
17) Acenaphthene	14.53	154	6785	0.323	ng	99
18) Fluorene	15.49	166	9245	0.305	ng	99
20) 4-Bromophenyl-phenylether	16.39	248	3535	0.325	ng	# 85
21) Hexachlorobenzene	16.49	284	3655	0.353	ng	97
22) Pentachlorophenol	16.84	266	1801	0.419	ng	90
23) Phenanthrene	17.23	178	16480	0.333	ng	100
24) Anthracene	17.32	178	14391	0.308	ng	100
26) Fluoranthene	19.25	202	20955	0.287	ng	99
28) Pyrene	19.61	202	20912	0.355	ng	100
30) Benzo(a)anthracene	21.34	228	22739	0.324	ng	99
31) Chrysene	21.40	228	23352	0.339	ng	97
32) Bis(2-ethylhexyl)phthalate	21.27	149	16648	0.186	ng	100
33) Indeno(1,2,3-cd)pyrene	26.50	276	32101	0.408	ng	98
35) Benzo(b)fluoranthene	23.09	252	23402	0.313	ng	98
36) Benzo(k)fluoranthene	23.14	252	24574	0.337	ng	98
37) Benzo(a)pyrene	23.75	252	22987	0.327	ng	98
38) Dibenzo(a,h)anthracene	26.52	278	27129	0.388	ng	98
39) Benzo(g,h,i)perylene	27.31	276	27813	0.399	ng	98

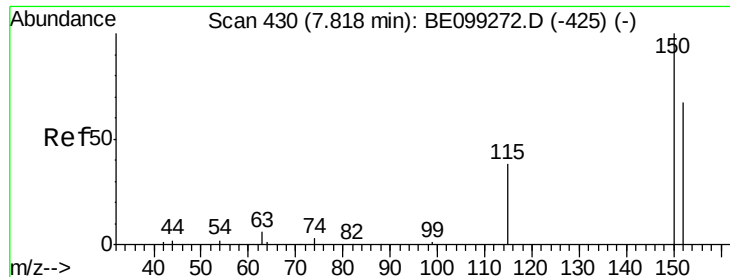
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. -0.02 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

Instrument :

BNA_E

ClientSampleId :

PB118607BSD

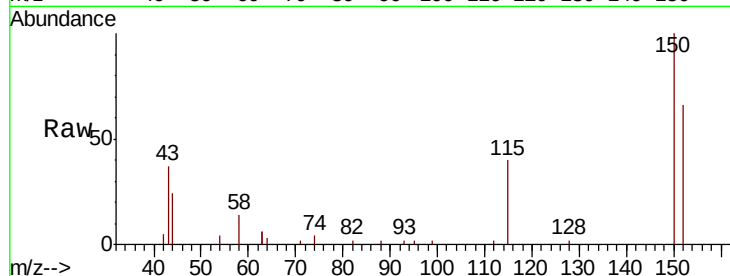
Tgt Ion:152 Resp: 3860

Ion Ratio Lower Upper

152 100

150 150.6 112.8 169.2

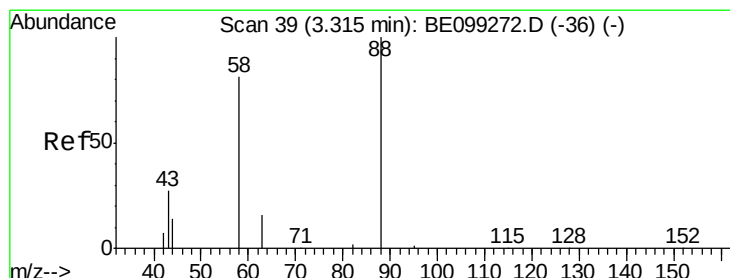
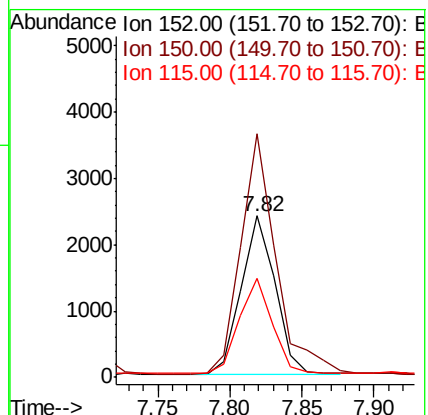
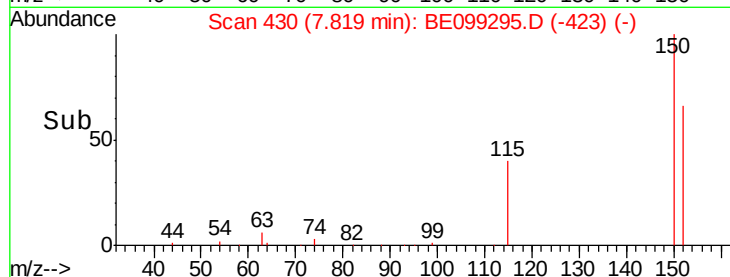
115 60.9 45.1 67.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.297 ng

RT: 3.33 min Scan# 40

Delta R.T. -0.01 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

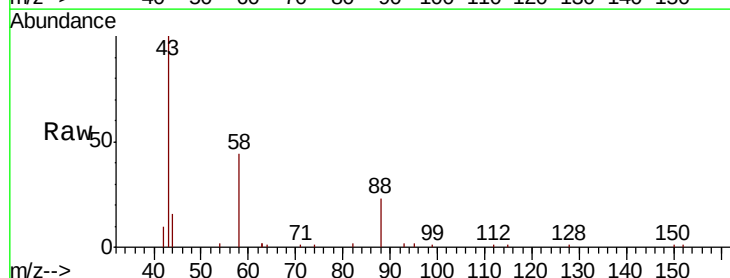
Tgt Ion: 88 Resp: 1563

Ion Ratio Lower Upper

88 100

58 72.9 47.4 71.0#

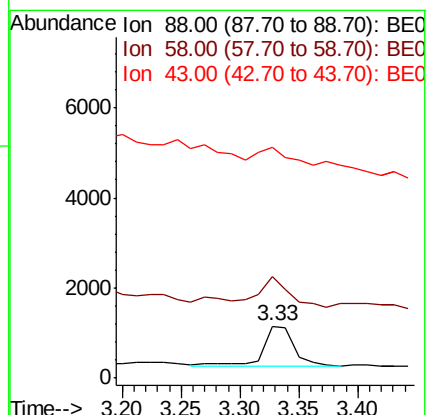
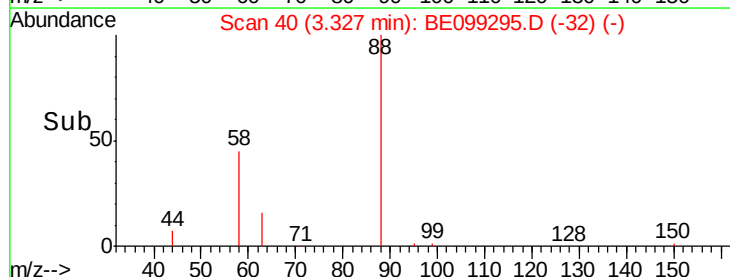
43 49.3 15.6 23.4#

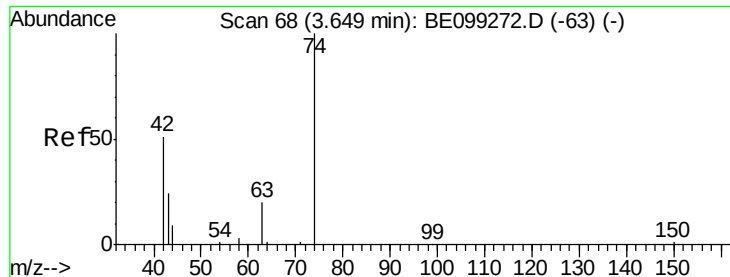


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.355 ng

RT: 3.66 min Scan# 69

Delta R.T. -0.01 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

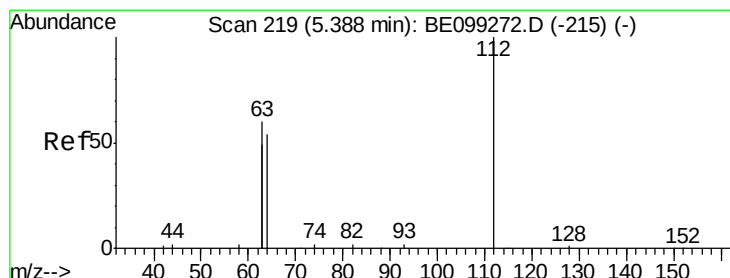
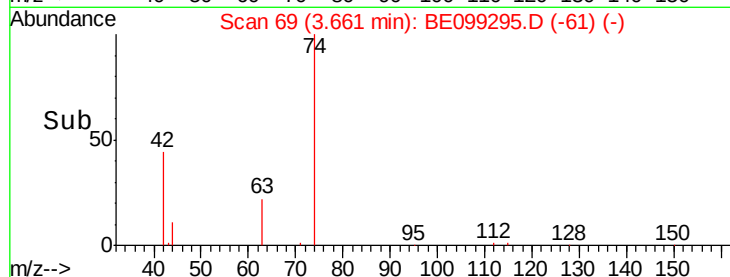
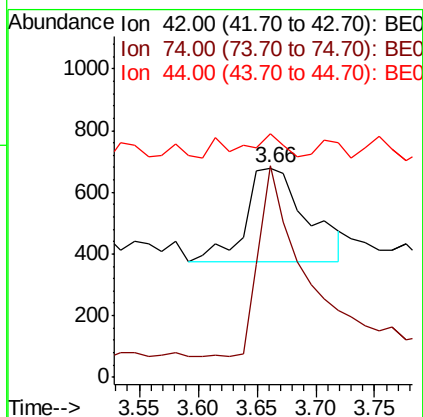
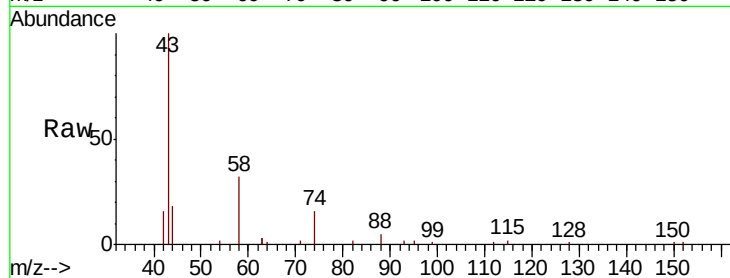
Instrument :

BNA_E

ClientSampleId :

PB118607BSD

Tgt Ion:	42	Resp:	1101
Ion	Ratio	Lower	Upper
42	100		
74	140.7	138.6	207.8
44	11.4	15.0	22.6#



#4

2-Fluorophenol

Concen: 0.312 ng

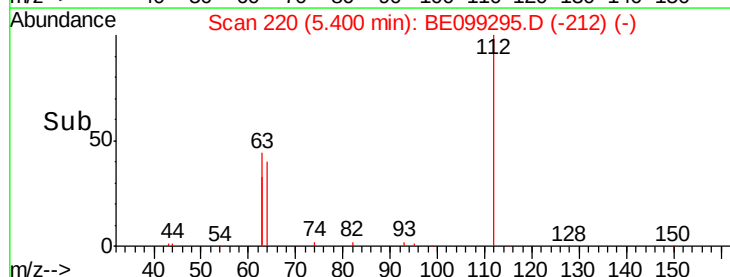
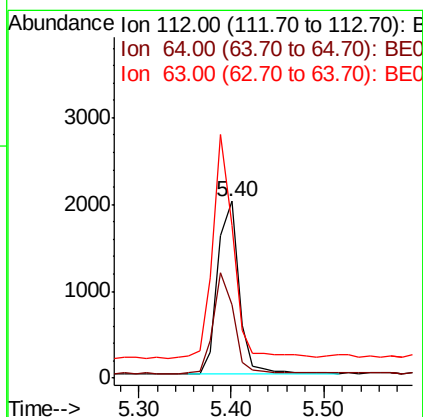
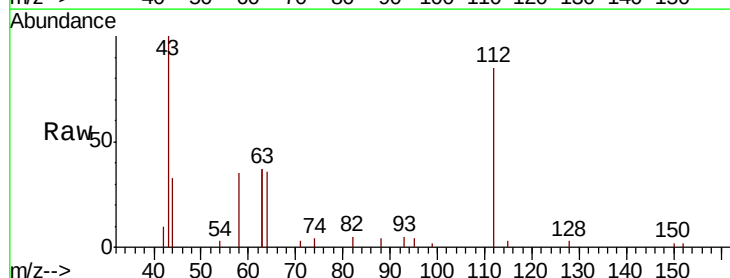
RT: 5.40 min Scan# 220

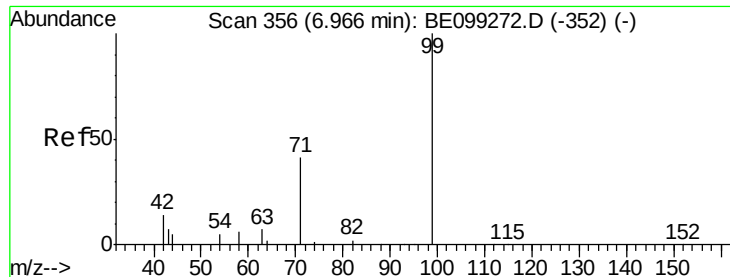
Delta R.T. -0.01 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

Tgt Ion:	112	Resp:	3204
Ion	Ratio	Lower	Upper
112	100		
64	57.1	46.2	69.2
63	125.4	89.9	134.9





#5

Phenol-d6

Concen: 0.303 ng

RT: 6.98 min Scan# 357

Delta R.T. -0.01 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

Instrument :

BNA_E

ClientSampleId :

PB118607BSD

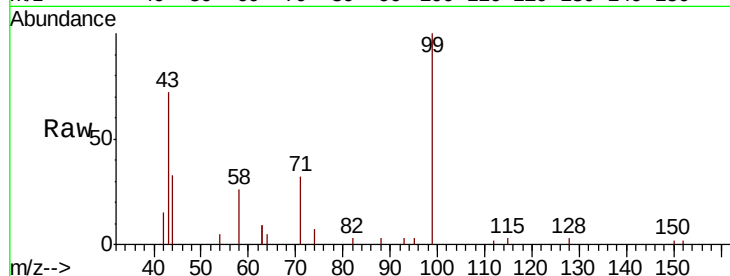
Tgt Ion: 99 Resp: 4274

Ion Ratio Lower Upper

99 100

42 18.8 12.4 18.6#

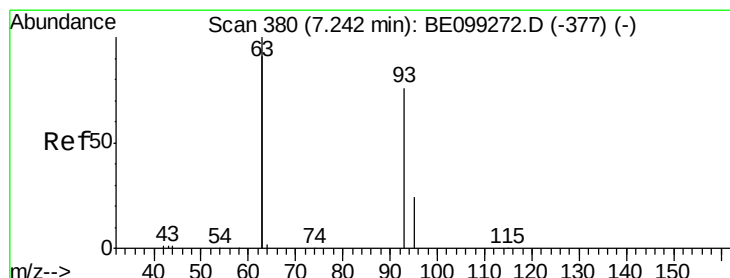
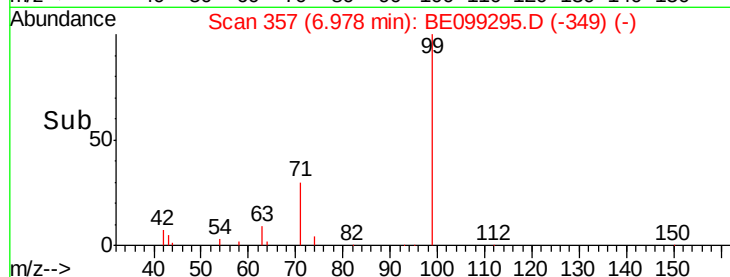
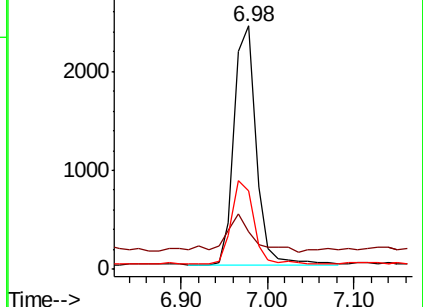
71 35.6 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.311 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.02 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

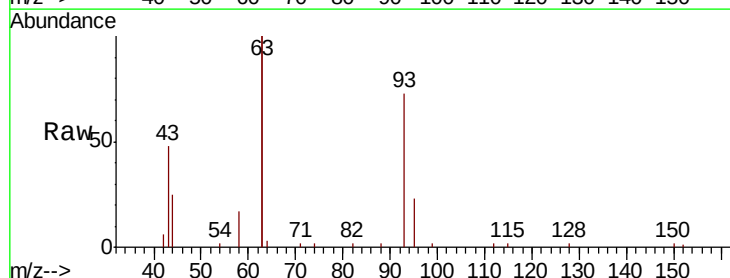
Tgt Ion: 93 Resp: 3934

Ion Ratio Lower Upper

93 100

63 276.0 221.4 332.0

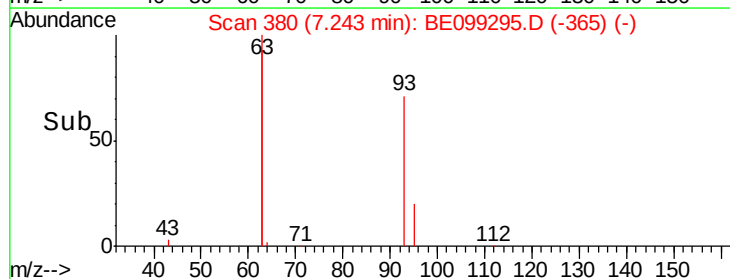
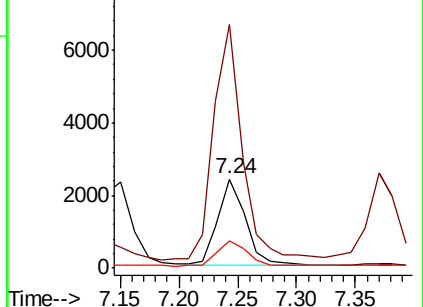
95 31.7 25.8 38.8

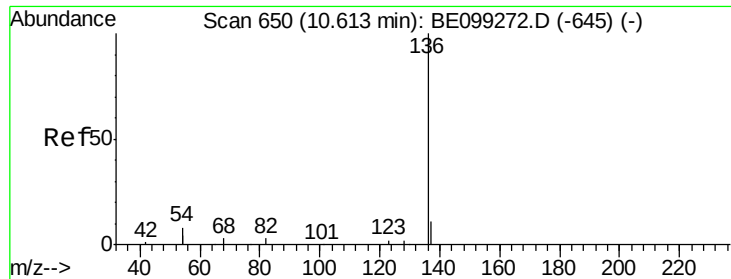


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. -0.01 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

Instrument :

BNA_E

ClientSampleId :

PB118607BSD

Tgt Ion:136 Resp: 12962

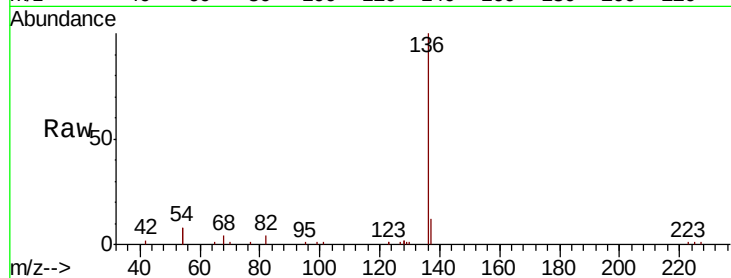
Ion Ratio Lower Upper

136 100

137 12.1 8.7 13.1

54 16.0 18.7 28.1#

68 4.5 5.2 7.8#

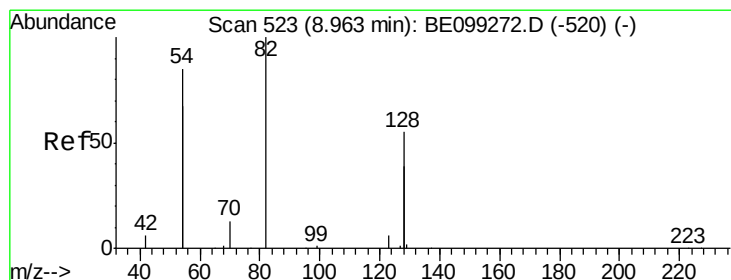
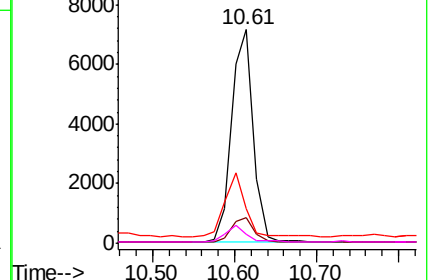
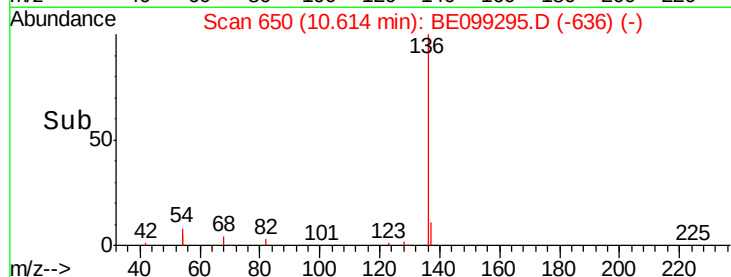


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.357 ng

RT: 8.98 min Scan# 524

Delta R.T. -0.01 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

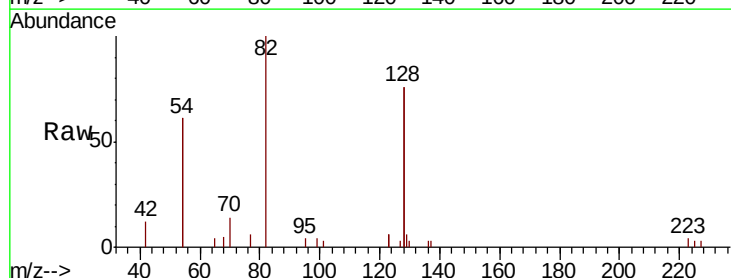
Tgt Ion: 82 Resp: 3177

Ion Ratio Lower Upper

82 100

128 152.8 107.5 161.3

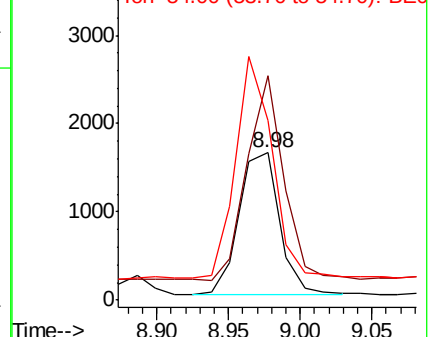
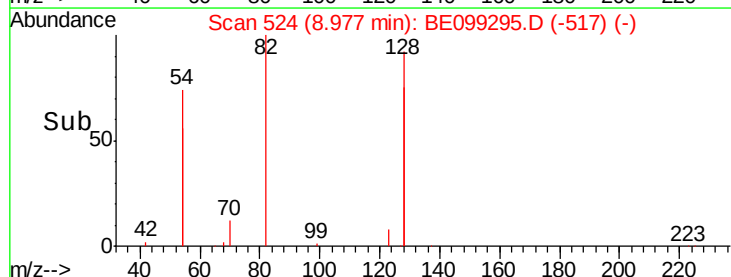
54 121.8 106.3 159.5

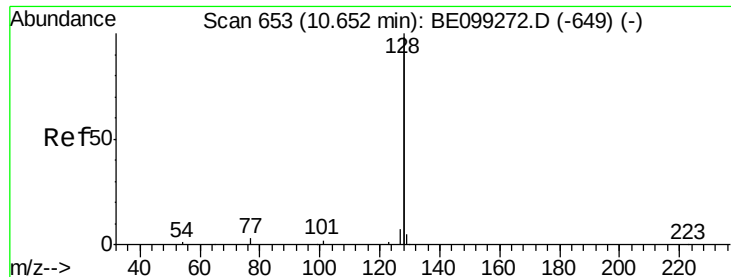


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.336 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.03 min

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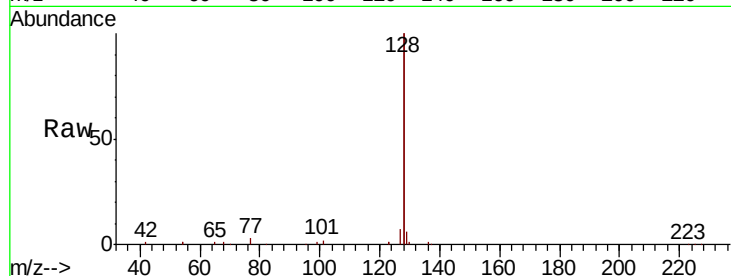
Tgt Ion:128 Resp: 47339

Ion Ratio Lower Upper

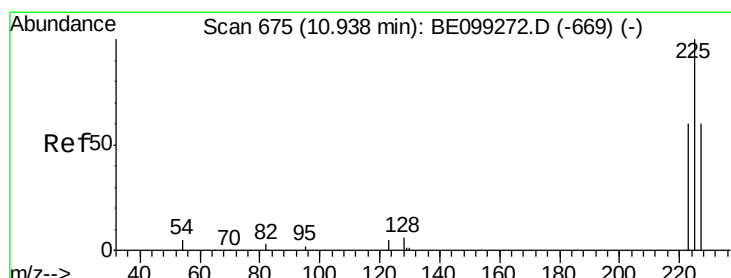
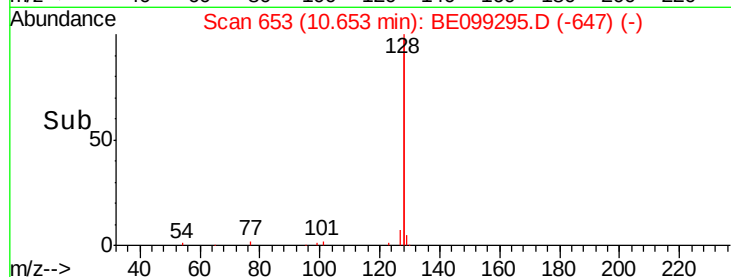
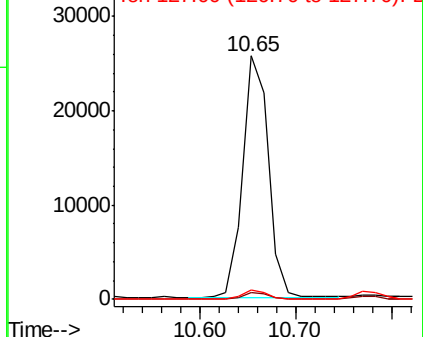
128 100

129 2.9 2.3 3.5

127 3.7 2.6 3.8



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.324 ng

RT: 10.94 min Scan# 675

Delta R.T. -0.01 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

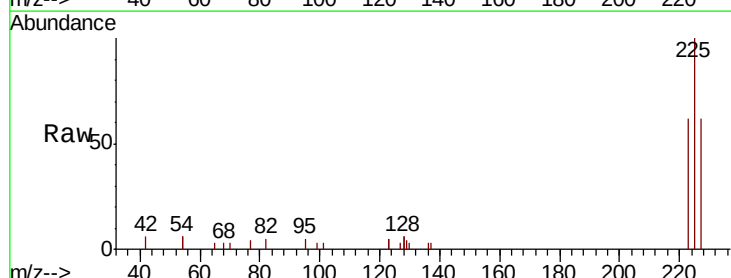
Tgt Ion:225 Resp: 2968

Ion Ratio Lower Upper

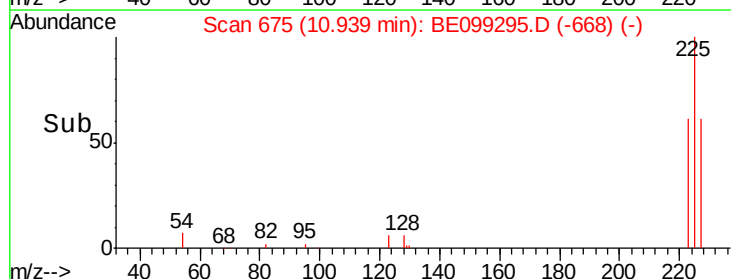
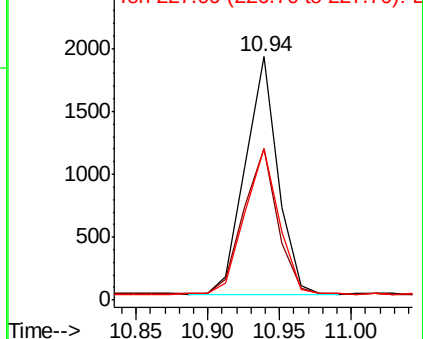
225 100

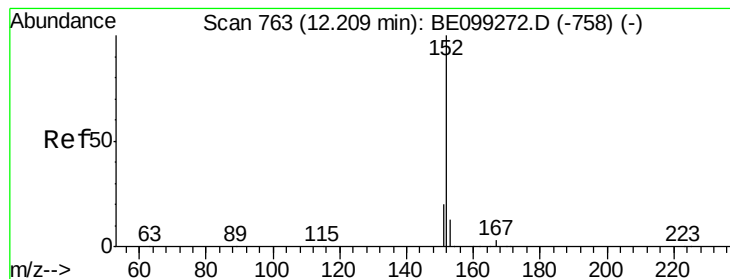
223 63.3 51.3 76.9

227 63.8 48.6 73.0



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.467 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.01 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

Instrument :

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ClientSampleId :

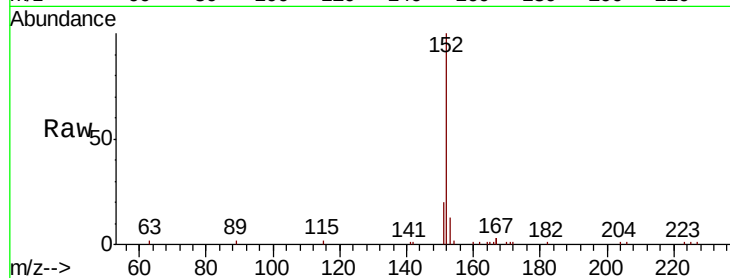
PB118607BSD

Tgt Ion:152 Resp: 10560

Ion Ratio Lower Upper

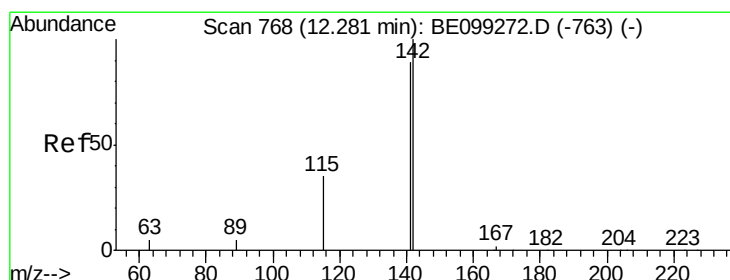
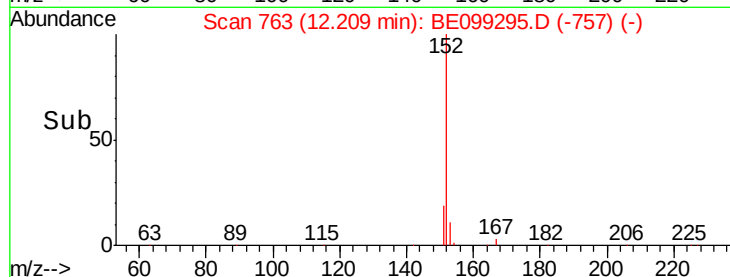
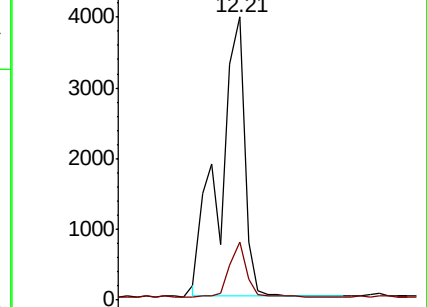
152 100

151 13.0 15.0 22.6#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.315 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.01 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

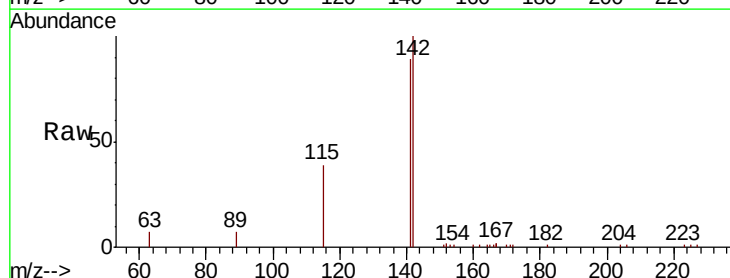
Tgt Ion:142 Resp: 7562

Ion Ratio Lower Upper

142 100

141 88.7 71.3 106.9

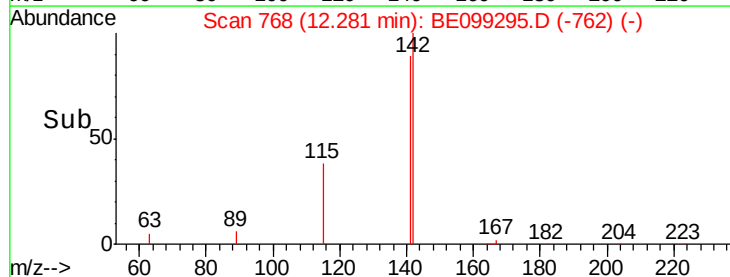
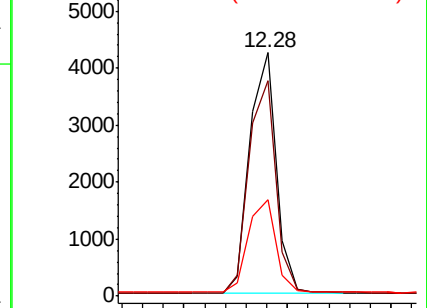
115 39.3 30.4 45.6

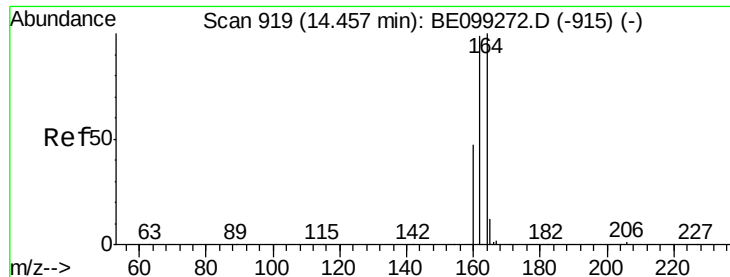


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

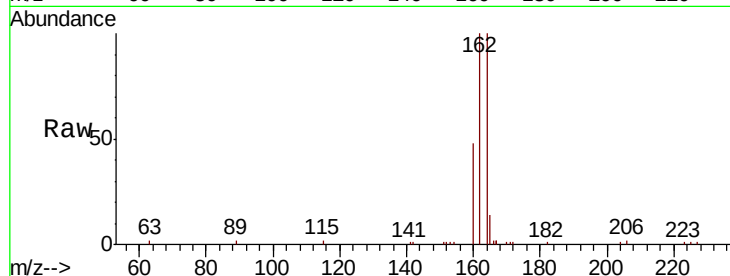




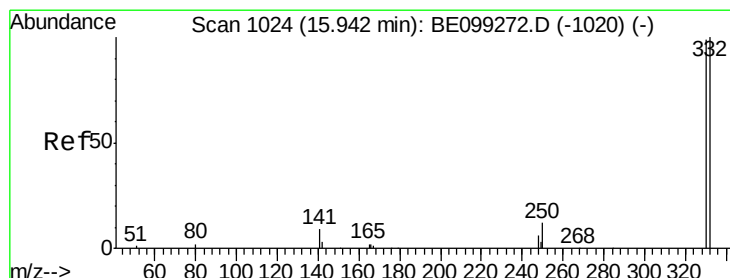
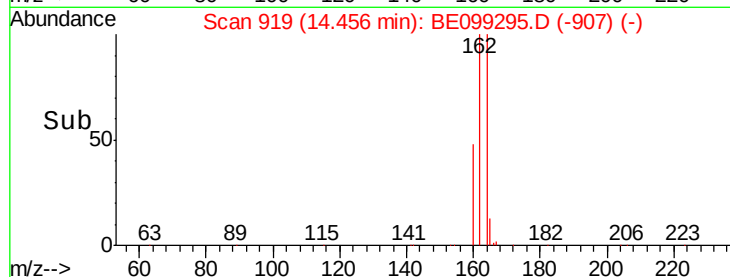
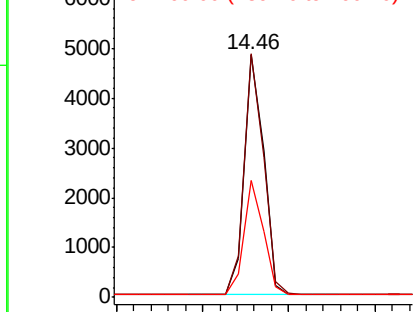
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.03 min
Lab File: BE099295.D
Acq: 4 Apr 2019 18:14

Instrument :
BNA_E
ClientSampleId :
PB118607BSD

Tgt Ion:164 Resp: 7507
Ion Ratio Lower Upper
164 100
162 100.2 79.2 118.8
160 48.3 36.7 55.1

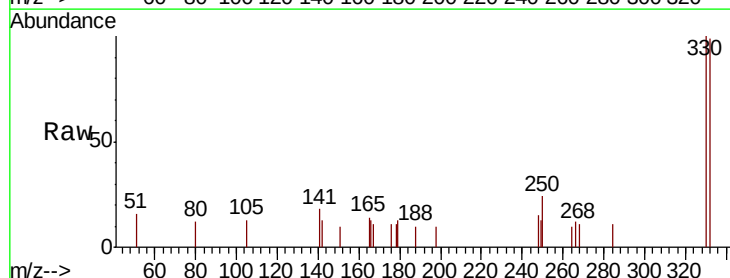


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

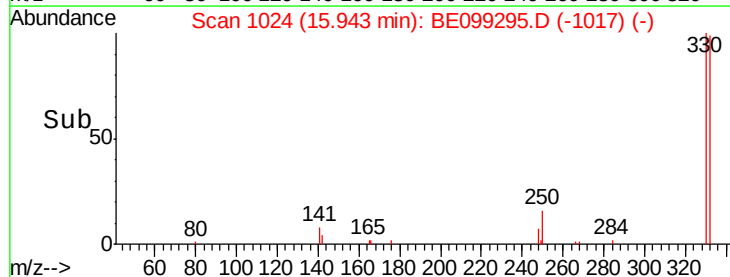
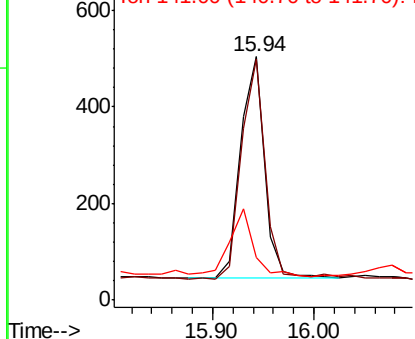


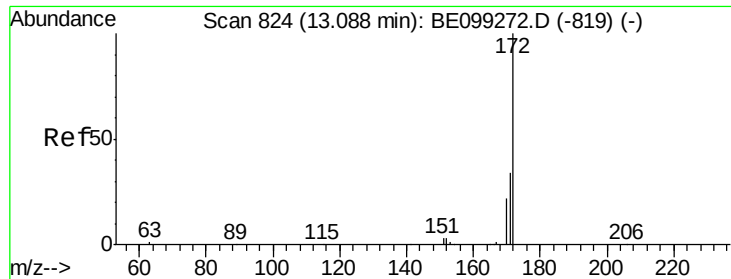
#14
2,4,6-Tribromophenol
Concen: 0.220 ng
RT: 15.94 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BE099295.D
Acq: 4 Apr 2019 18:14

Tgt Ion:330 Resp: 762
Ion Ratio Lower Upper
330 100
332 97.4 71.3 106.9
141 29.8 21.7 32.5



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

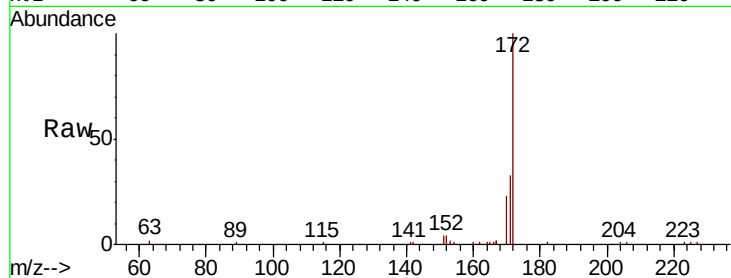




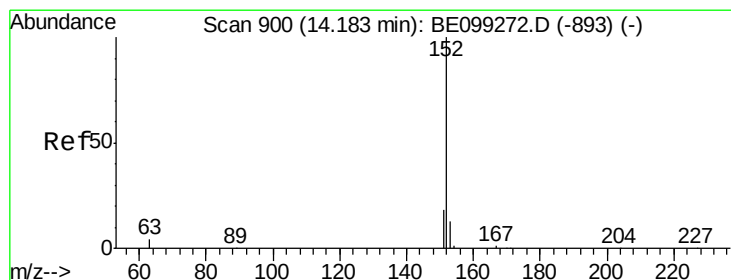
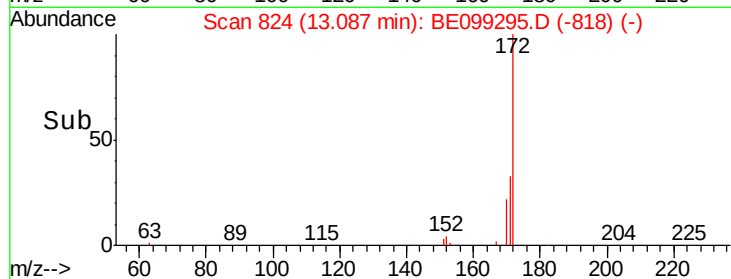
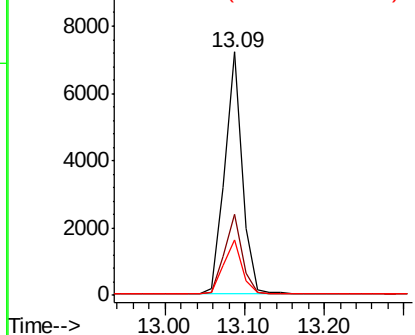
#15
2-Fluorobiphenyl
Concen: 0.371 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.01 min
Lab File: BE099295.D
Acq: 4 Apr 2019 18:14

Instrument :
BNA_E
ClientSampleId :
PB118607BSD

Tgt Ion:172 Resp: 10956
Ion Ratio Lower Upper
172 100
171 33.4 27.4 41.0
170 22.6 19.1 28.7

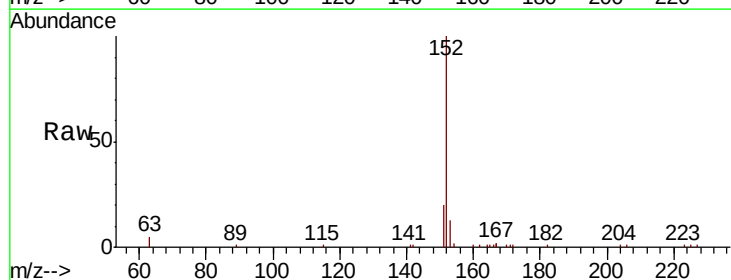


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

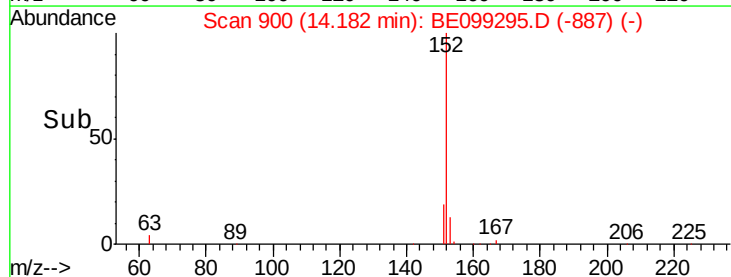
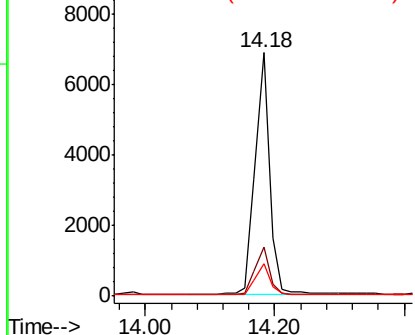


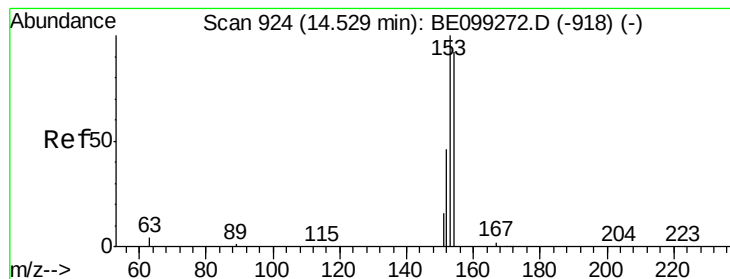
#16
Acenaphthylene
Concen: 0.300 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE099295.D
Acq: 4 Apr 2019 18:14

Tgt Ion:152 Resp: 10663
Ion Ratio Lower Upper
152 100
151 19.6 15.7 23.5
153 12.5 10.6 15.8



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.323 ng

RT: 14.53 min Scan# 924

Delta R.T. -0.01 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

Instrument :

BNA_E

ClientSampleId :

PB118607BSD

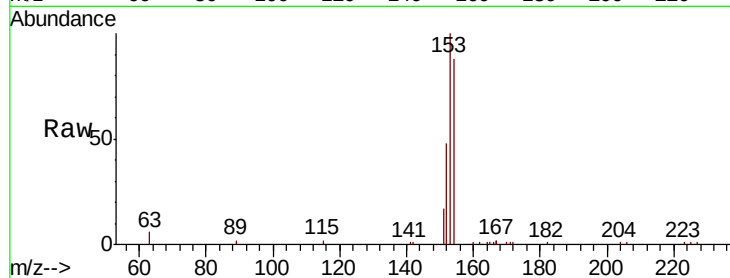
Tgt Ion:154 Resp: 6785

Ion Ratio Lower Upper

154 100

153 115.7 93.4 140.0

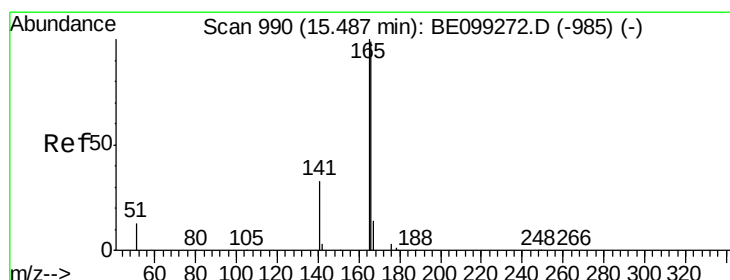
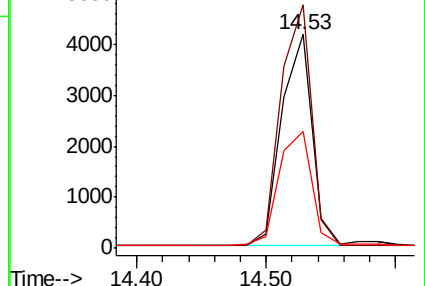
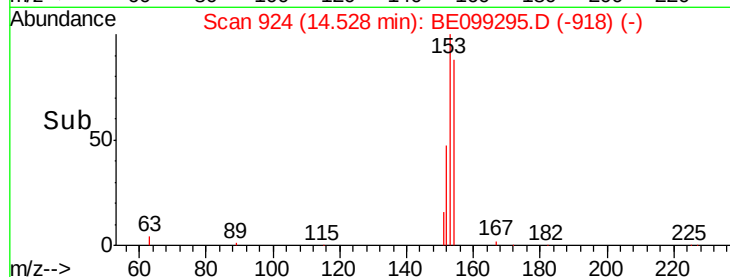
152 57.9 46.6 69.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.305 ng

RT: 15.49 min Scan# 990

Delta R.T. -0.03 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

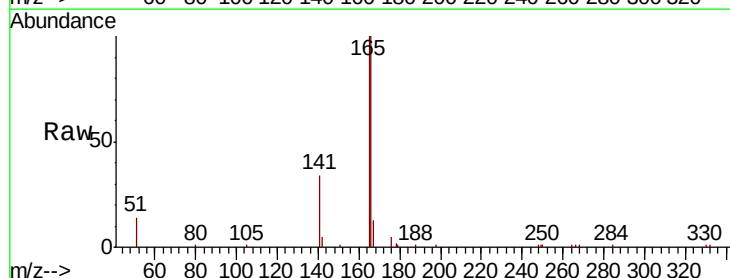
Tgt Ion:166 Resp: 9245

Ion Ratio Lower Upper

166 100

165 99.6 78.9 118.3

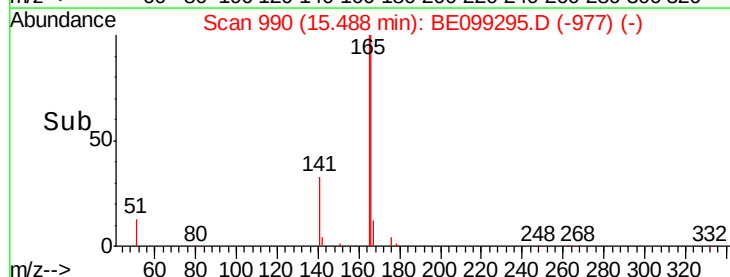
167 12.9 10.9 16.3



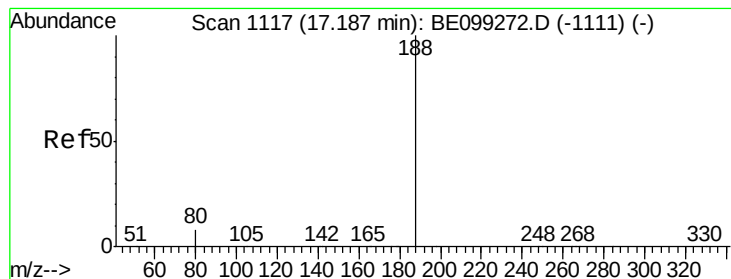
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.03 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

Instrument :

BNA_E

ClientSampleId :

PB118607BSD

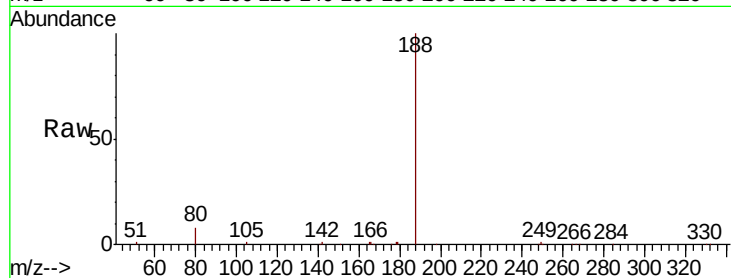
Tgt Ion:188 Resp: 19142

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

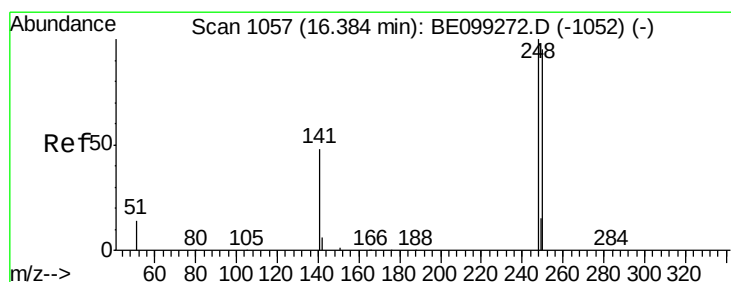
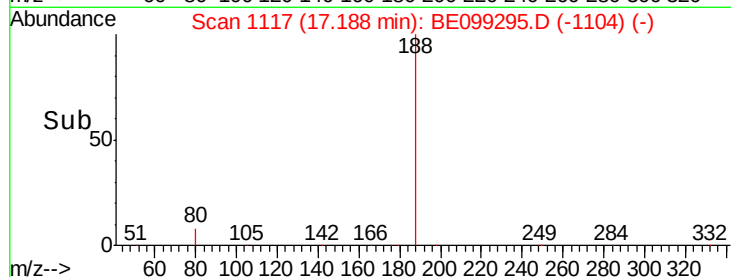
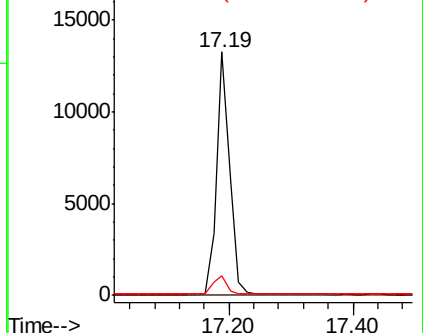
80 8.1 4.5 6.7#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.325 ng

RT: 16.39 min Scan# 1057

Delta R.T. -0.03 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

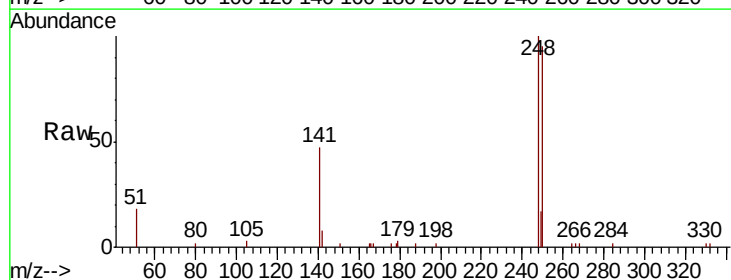
Tgt Ion:248 Resp: 3535

Ion Ratio Lower Upper

248 100

250 95.3 84.2 126.2

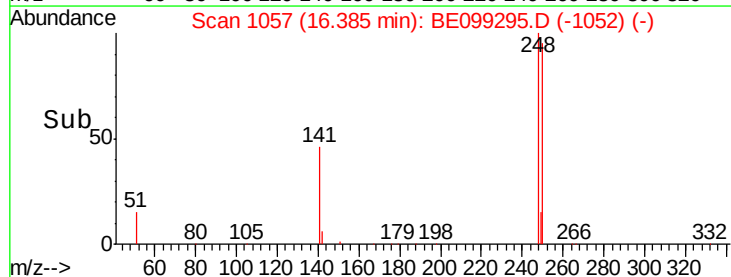
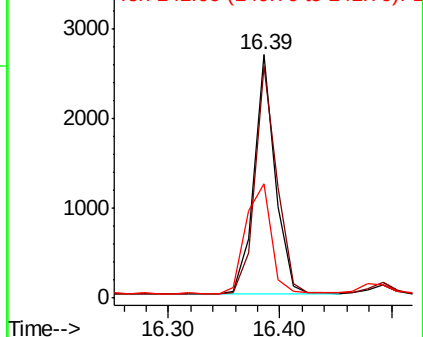
141 47.0 21.8 32.6#

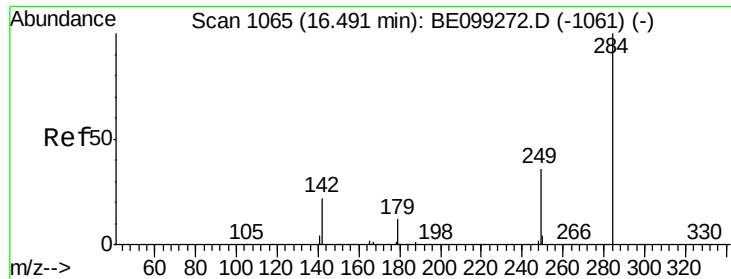


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

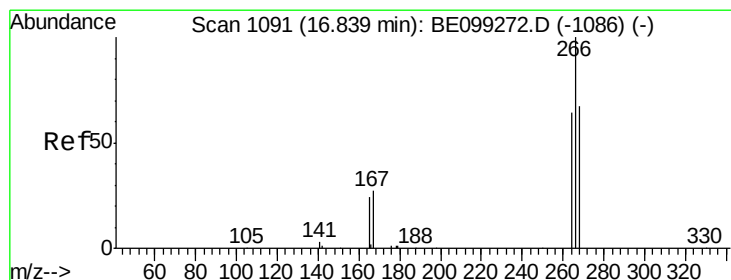
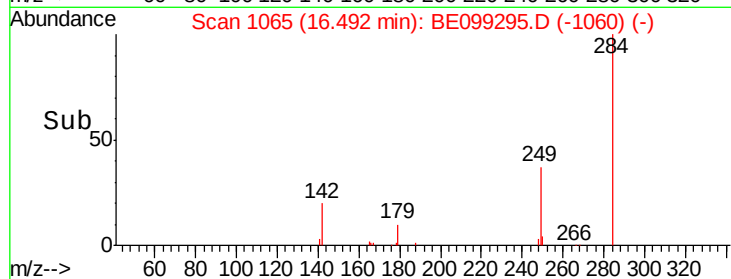
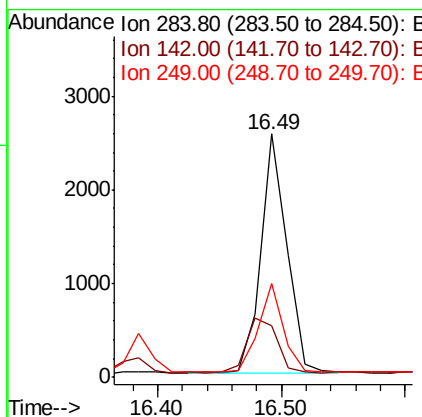
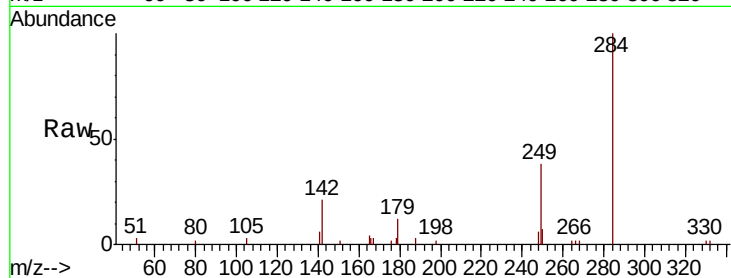




#21
Hexachlorobenzene
Concen: 0.353 ng
RT: 16.49 min Scan# 1065
Delta R.T. -0.03 min
Lab File: BE099295.D
Acq: 4 Apr 2019 18:14

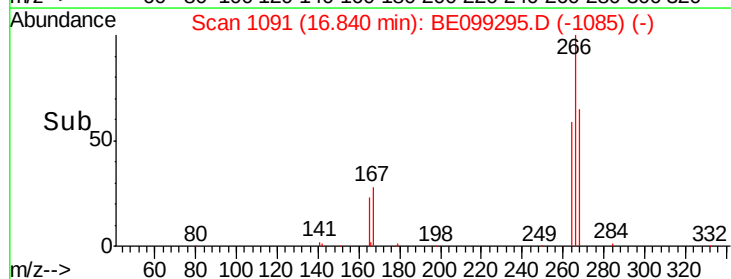
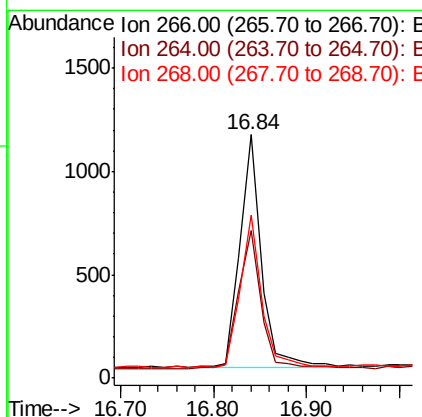
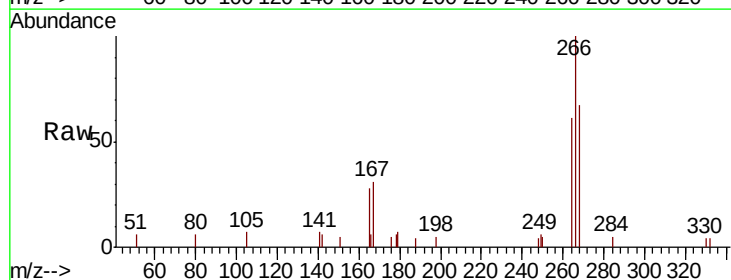
Instrument :
BNA_E
ClientSampleId :
PB118607BSD

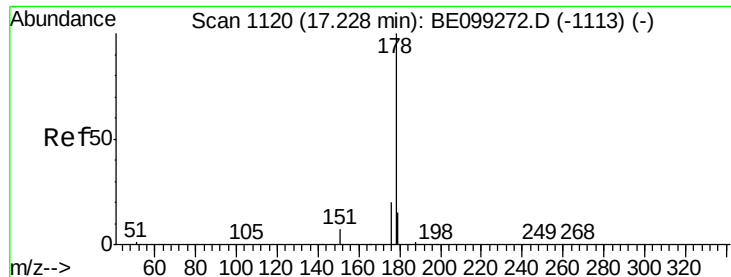
Tgt Ion:284 Resp: 3655
Ion Ratio Lower Upper
284 100
142 26.9 22.7 34.1
249 35.5 26.9 40.3



#22
Pentachlorophenol
Concen: 0.419 ng
RT: 16.84 min Scan# 1091
Delta R.T. -0.03 min
Lab File: BE099295.D
Acq: 4 Apr 2019 18:14

Tgt Ion:266 Resp: 1801
Ion Ratio Lower Upper
266 100
264 60.7 54.4 81.6
268 67.1 61.3 91.9





#23

Phenanthrene

Concen: 0.333 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.03 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

Instrument :

BNA_E

ClientSampleId :

PB118607BSD

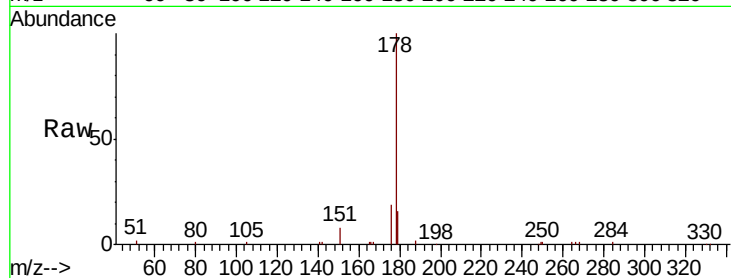
Tgt Ion:178 Resp: 16480

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

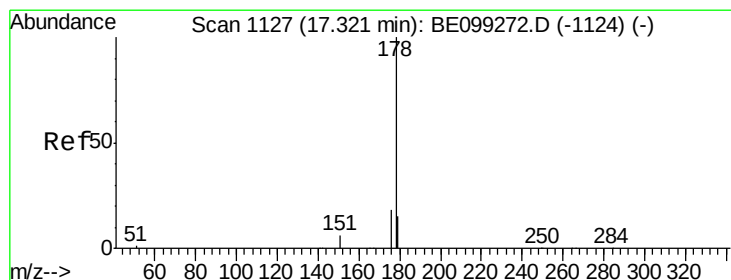
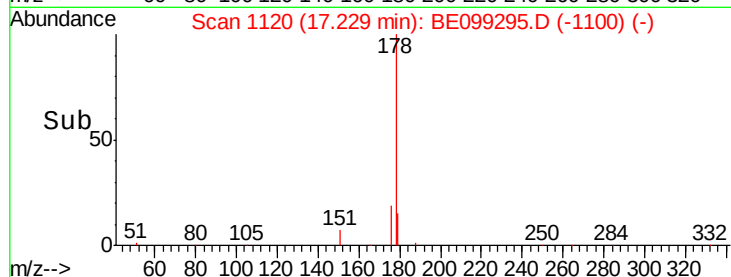
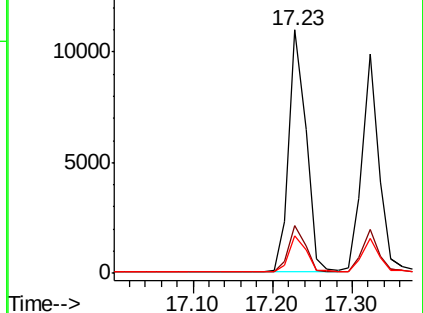
179 15.3 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.308 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.01 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

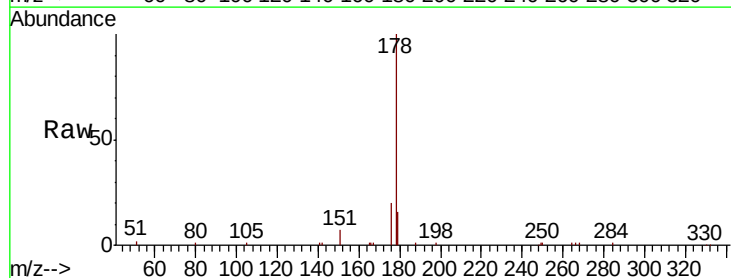
Tgt Ion:178 Resp: 14391

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

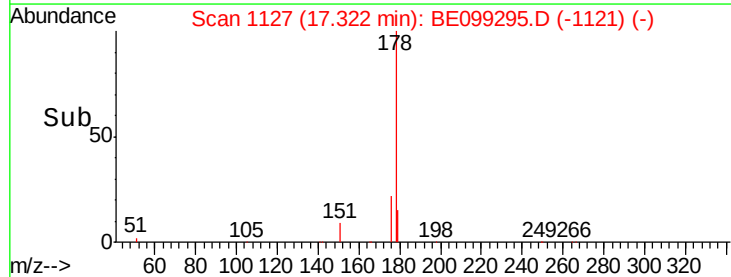
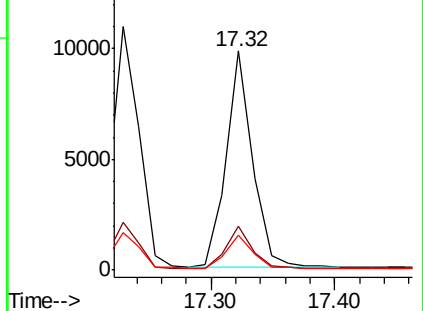
179 15.3 12.4 18.6

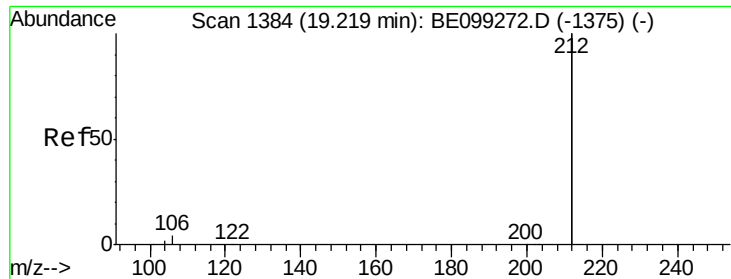


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

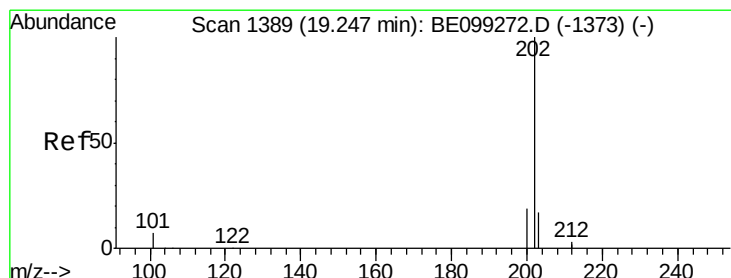
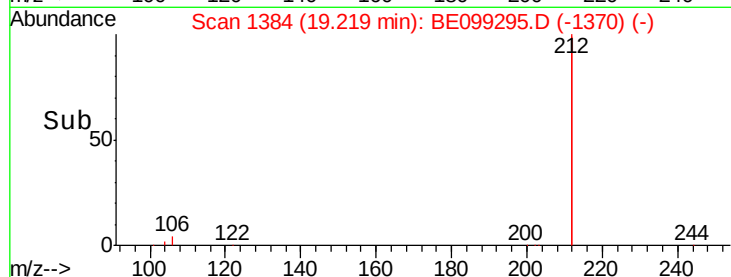
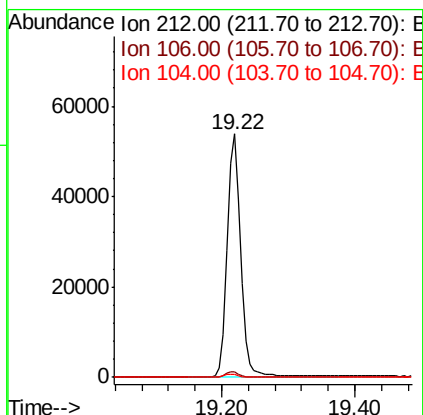
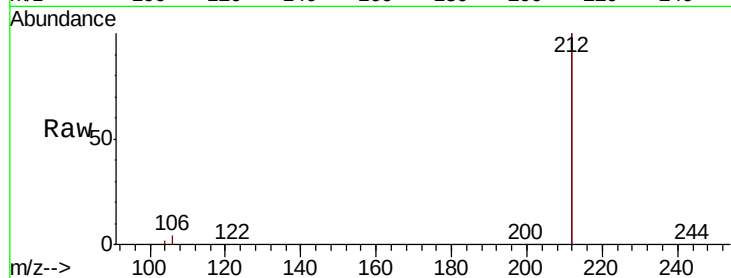




#25
 Fluoranthene-d10
 Concen: 0.298 ng
 RT: 19.22 min Scan# 1384
 Delta R.T. -0.02 min
 Lab File: BE099295.D
 Acq: 4 Apr 2019 18:14

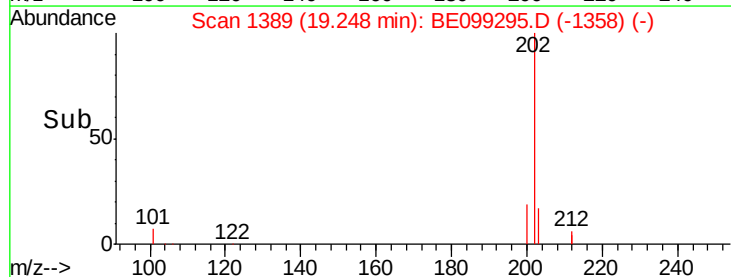
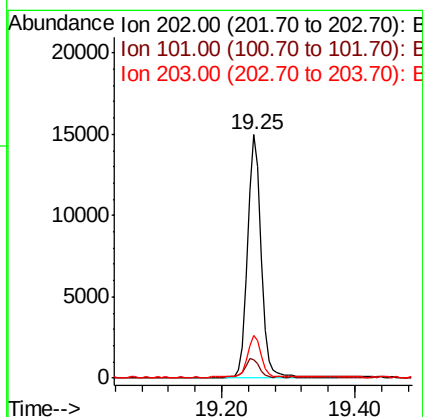
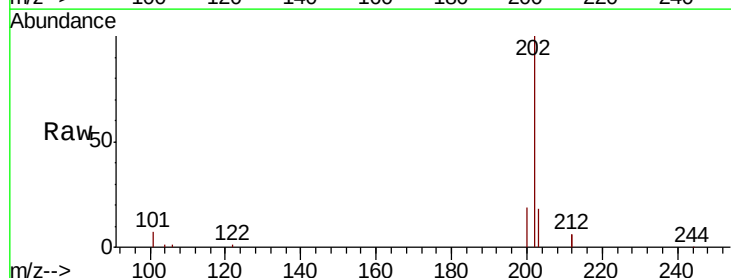
Instrument :
 BNA_E
 ClientSampleId :
 PB118607BSD

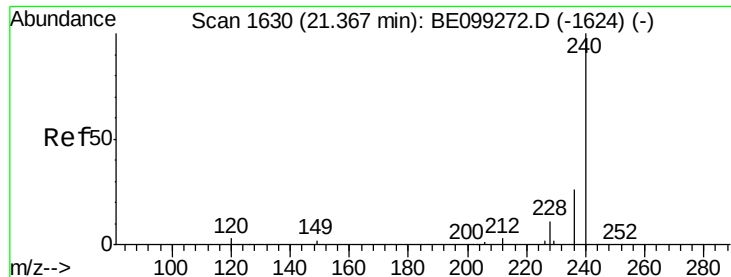
Tgt Ion:212 Resp: 75235
 Ion Ratio Lower Upper
 212 100
 106 2.1 1.8 2.8
 104 1.3 1.1 1.7



#26
 Fluoranthene
 Concen: 0.287 ng
 RT: 19.25 min Scan# 1389
 Delta R.T. -0.02 min
 Lab File: BE099295.D
 Acq: 4 Apr 2019 18:14

Tgt Ion:202 Resp: 20955
 Ion Ratio Lower Upper
 202 100
 101 7.8 7.0 10.4
 203 17.1 13.8 20.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.02 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

Instrument :

BNA_E

ClientSampleId :

PB118607BSD

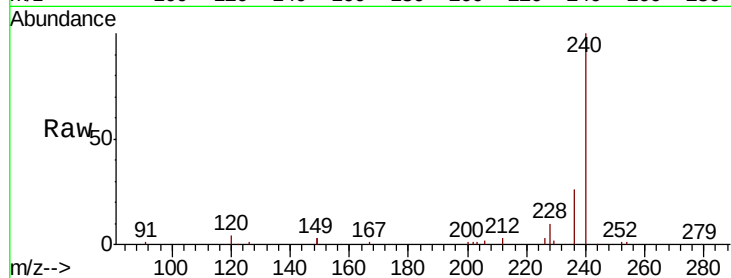
Tgt Ion:240 Resp: 22284

Ion Ratio Lower Upper

240 100

120 3.9 2.6 3.8#

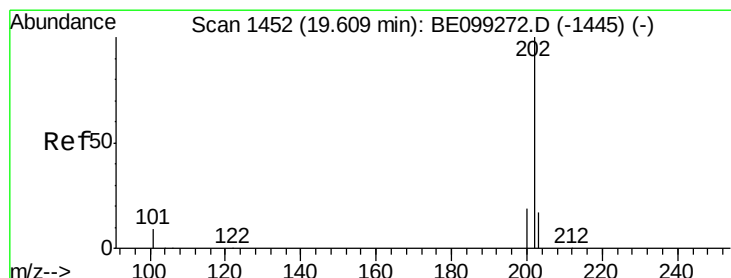
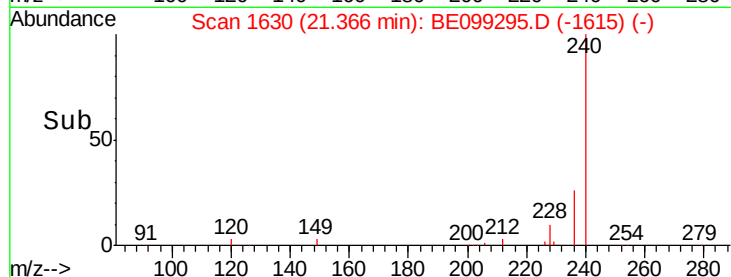
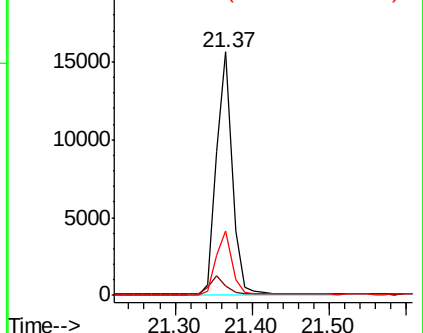
236 26.4 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.355 ng

RT: 19.61 min Scan# 1452

Delta R.T. -0.02 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

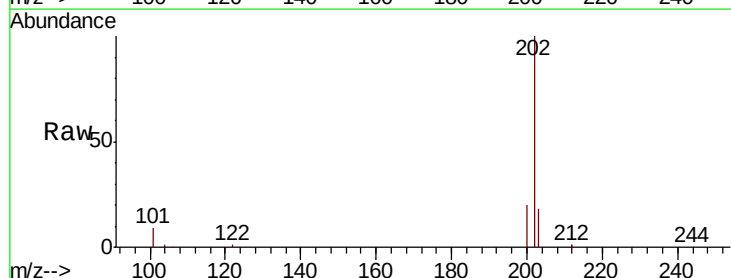
Tgt Ion:202 Resp: 20912

Ion Ratio Lower Upper

202 100

200 19.5 15.8 23.8

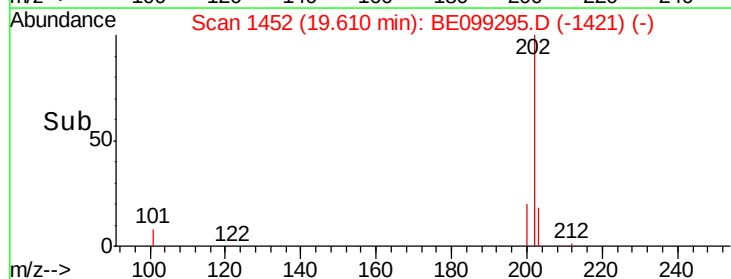
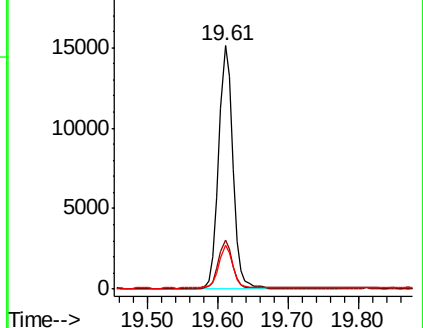
203 17.8 14.1 21.1

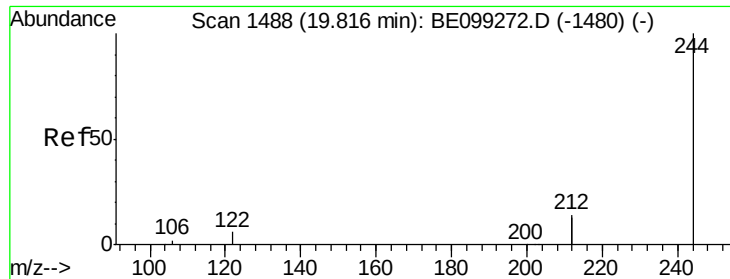


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.316 ng

RT: 19.82 min Scan# 1488

Delta R.T. -0.02 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

Instrument :

BNA_E

ClientSampleId :

PB118607BSD

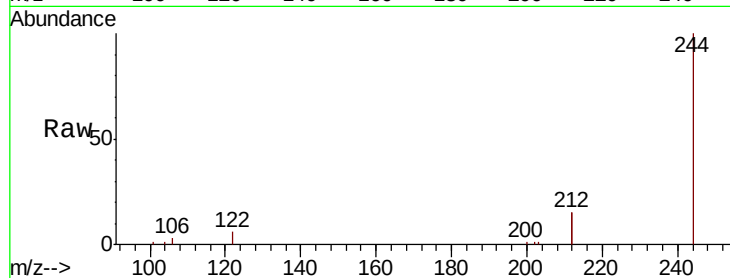
Tgt Ion:244 Resp: 12860

Ion Ratio Lower Upper

244 100

212 29.8 22.7 34.1

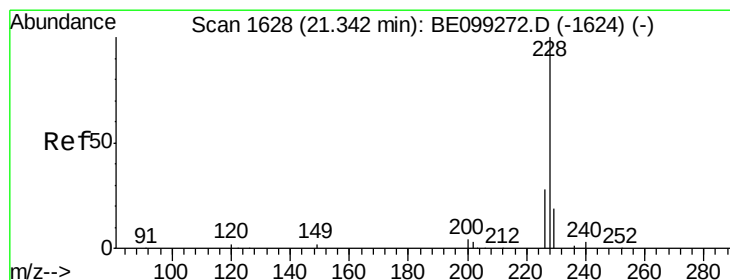
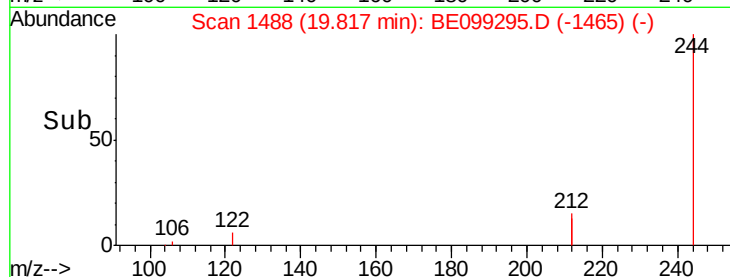
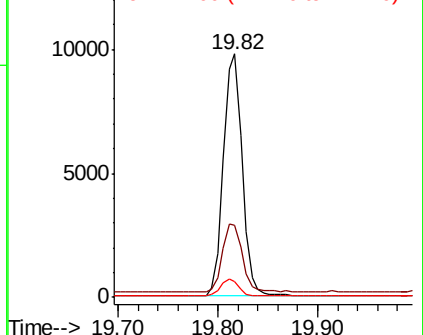
122 6.3 5.8 8.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.324 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.02 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

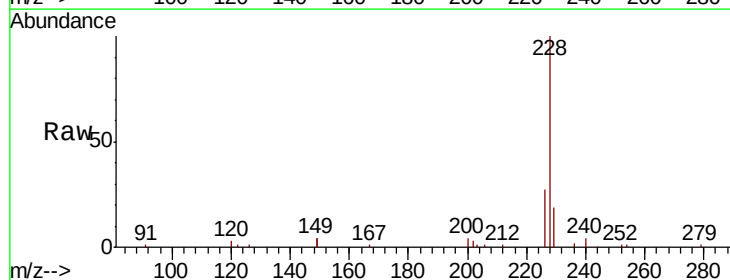
Tgt Ion:228 Resp: 22739

Ion Ratio Lower Upper

228 100

226 27.2 21.7 32.5

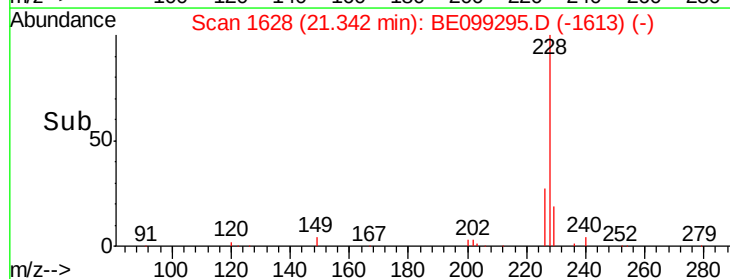
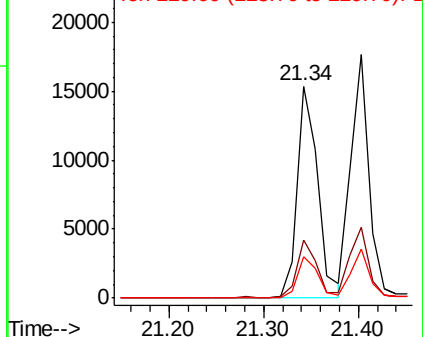
229 19.4 15.9 23.9

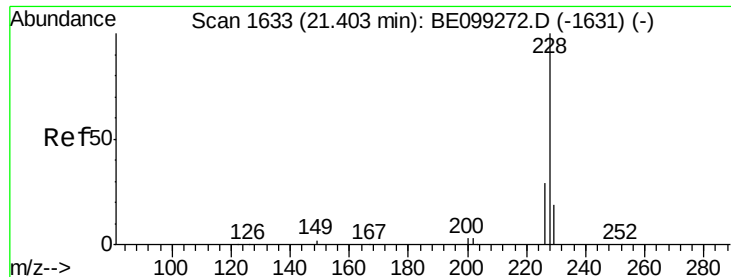


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.339 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.01 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

Instrument :

BNA_E

ClientSampleId :

PB118607BSD

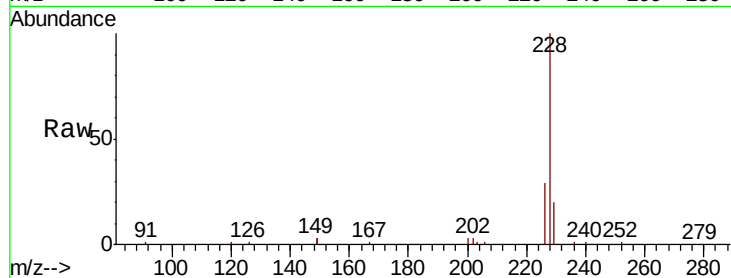
Tgt Ion:228 Resp: 23352

Ion Ratio Lower Upper

228 100

226 29.2 24.8 37.2

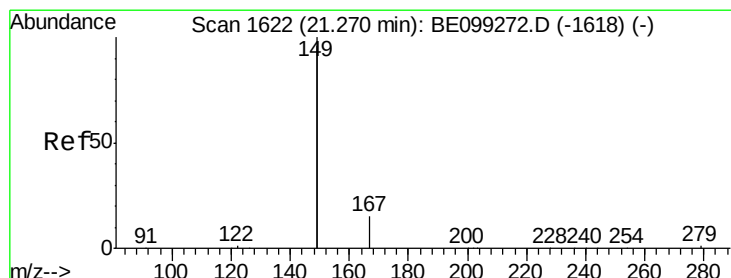
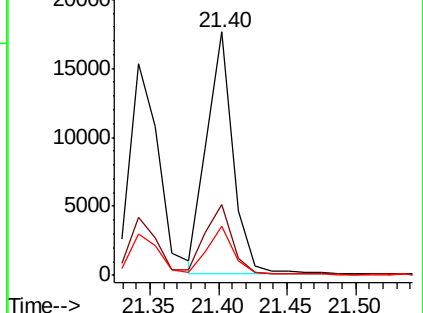
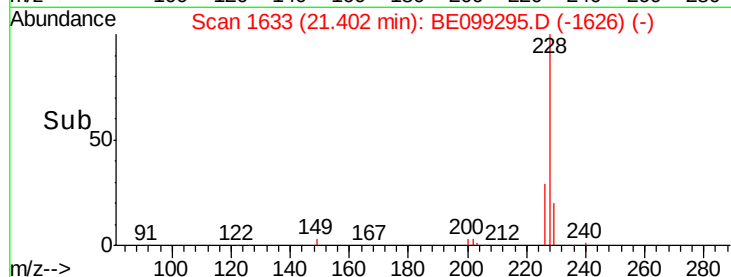
229 20.4 15.4 23.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.186 ng

RT: 21.27 min Scan# 1622

Delta R.T. -0.02 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

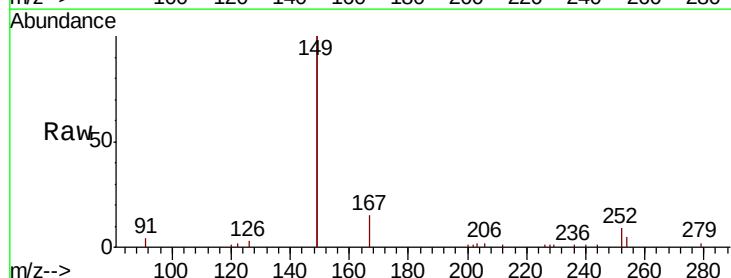
Tgt Ion:149 Resp: 16648

Ion Ratio Lower Upper

149 100

167 7.4 5.9 8.9

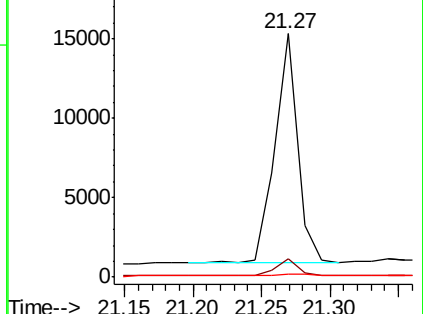
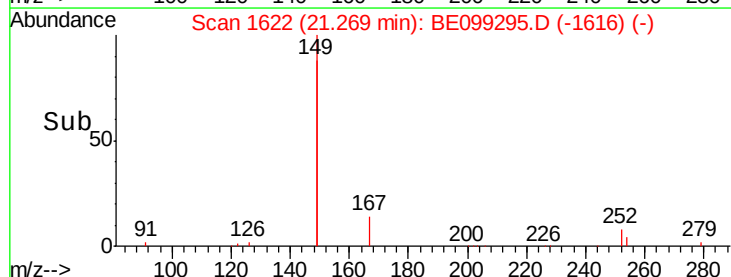
279 1.5 1.0 1.6

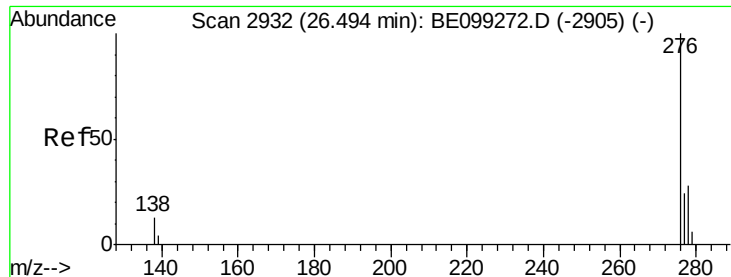


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.408 ng

RT: 26.50 min Scan# 2933

Delta R.T. -0.06 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

Instrument :

BNA_E

ClientSampleId :

PB118607BSD

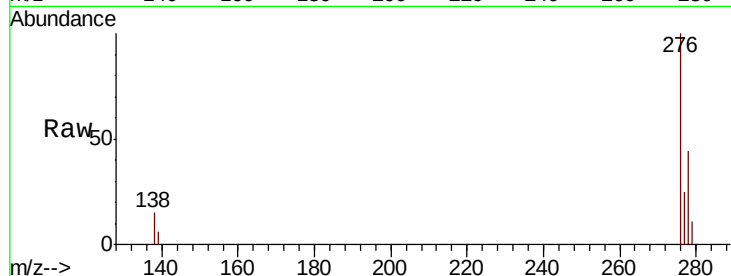
Tgt Ion:276 Resp: 32101

Ion Ratio Lower Upper

276 100

138 15.9 12.9 19.3

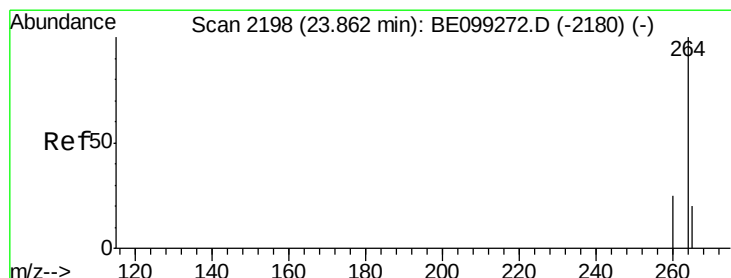
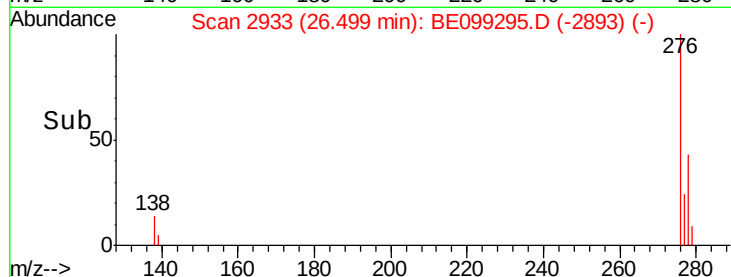
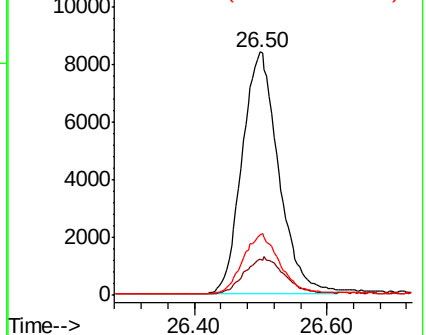
277 24.6 18.3 27.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.86 min Scan# 2197

Delta R.T. -0.04 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

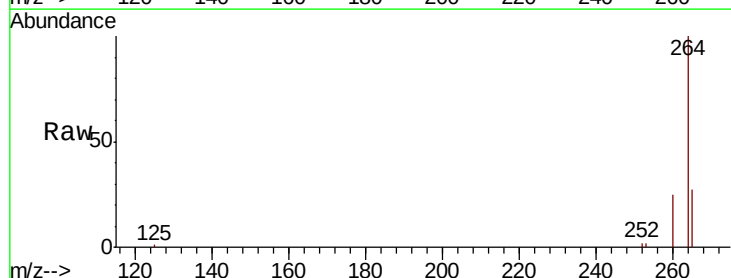
Tgt Ion:264 Resp: 25081

Ion Ratio Lower Upper

264 100

260 24.9 18.2 27.2

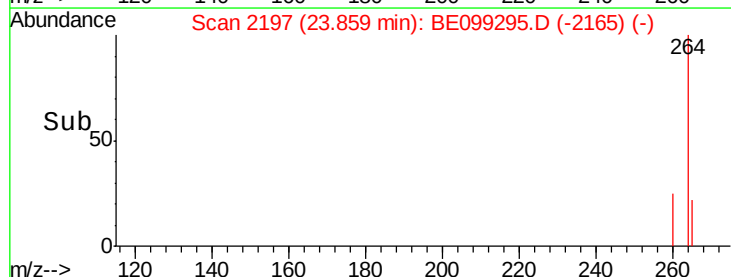
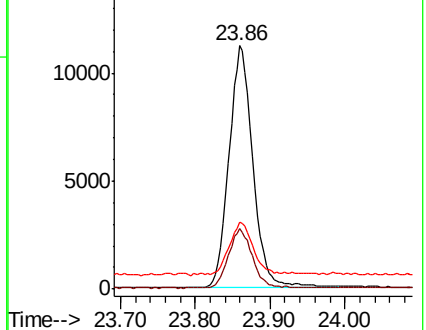
265 27.4 21.8 32.8

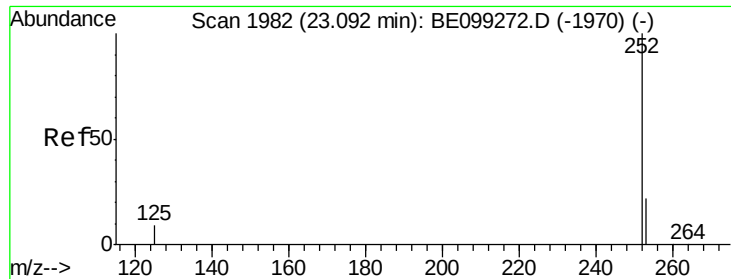


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.313 ng

RT: 23.09 min Scan# 1982

Delta R.T. -0.03 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

Instrument :

BNA_E

ClientSampleId :

PB118607BSD

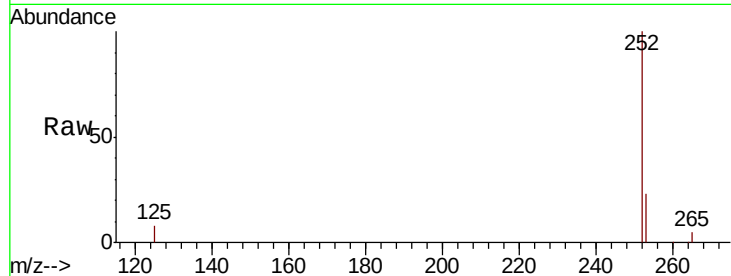
Tgt Ion:252 Resp: 23402

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.8

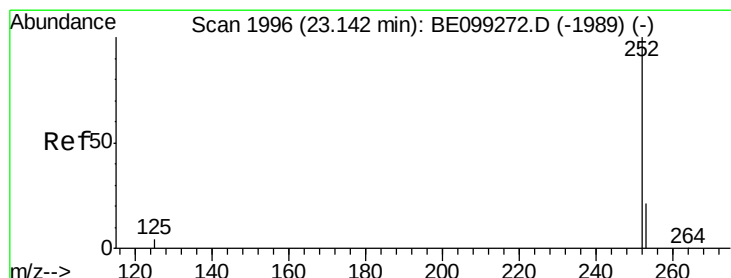
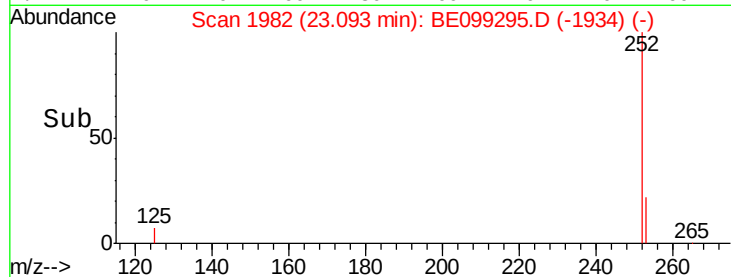
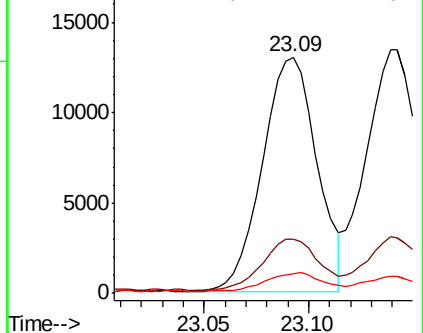
125 8.2 6.1 9.1



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.337 ng

RT: 23.14 min Scan# 1996

Delta R.T. -0.03 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

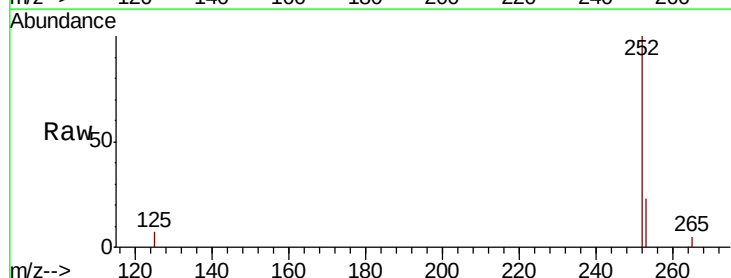
Tgt Ion:252 Resp: 24574

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

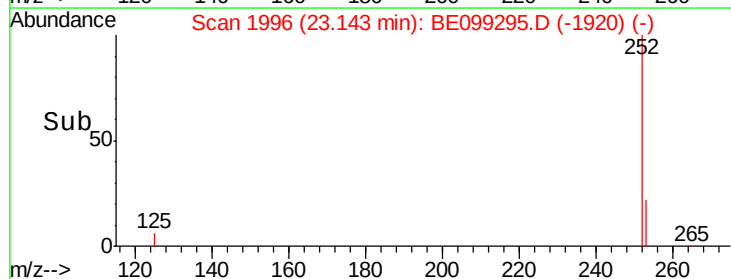
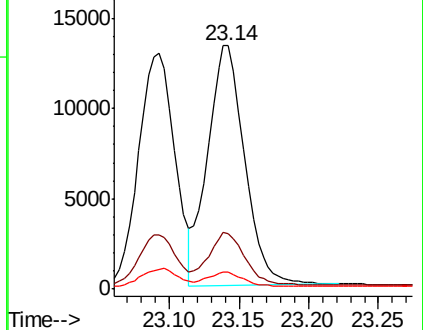
125 6.8 5.9 8.9

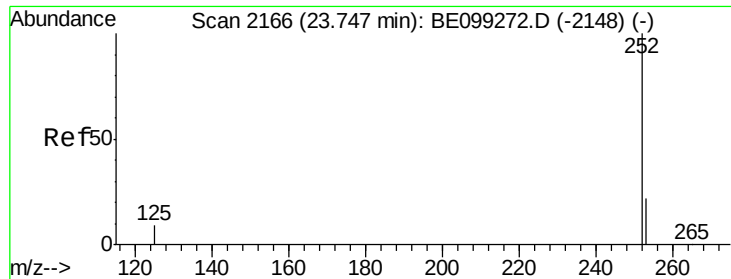


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.327 ng

RT: 23.75 min Scan# 2166

Delta R.T. -0.03 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

Instrument :

BNA_E

ClientSampleId :

PB118607BSD

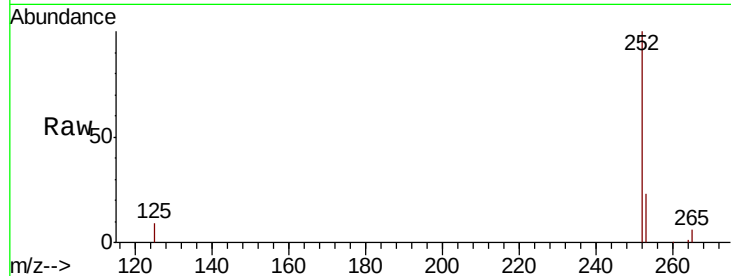
Tgt Ion:252 Resp: 22987

Ion Ratio Lower Upper

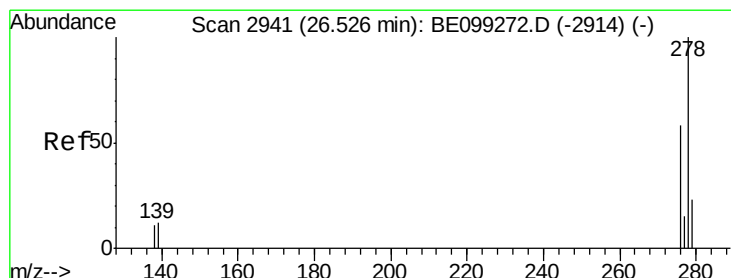
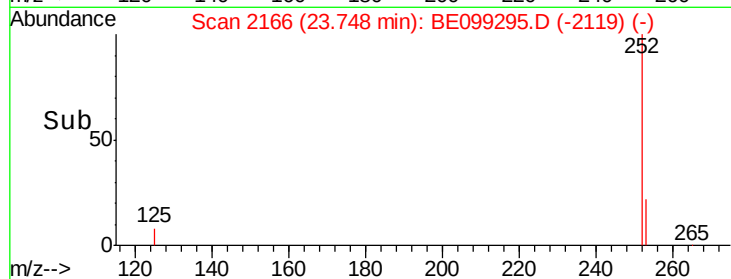
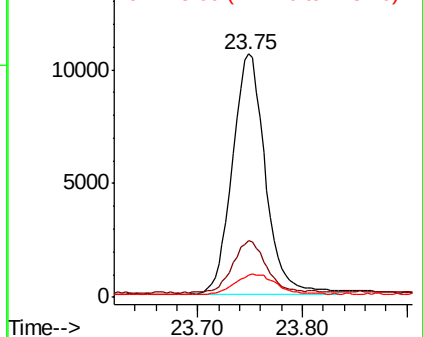
252 100

253 23.5 18.1 27.1

125 9.1 6.8 10.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.388 ng

RT: 26.52 min Scan# 2940

Delta R.T. -0.06 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

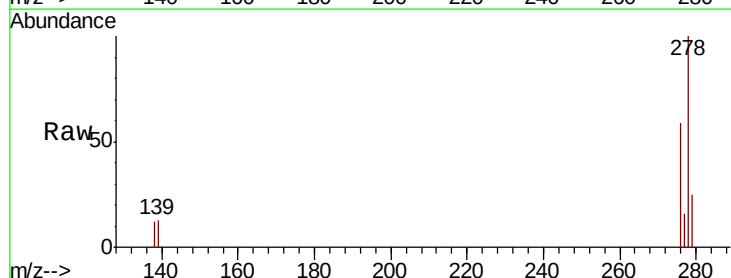
Tgt Ion:278 Resp: 27129

Ion Ratio Lower Upper

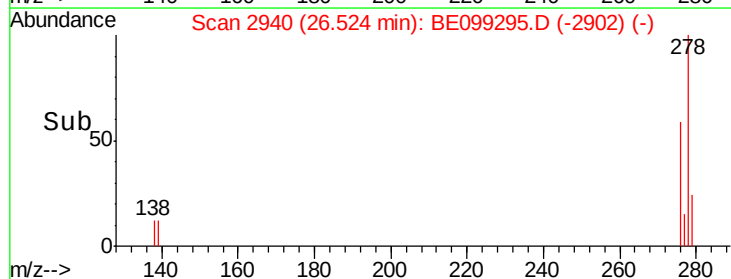
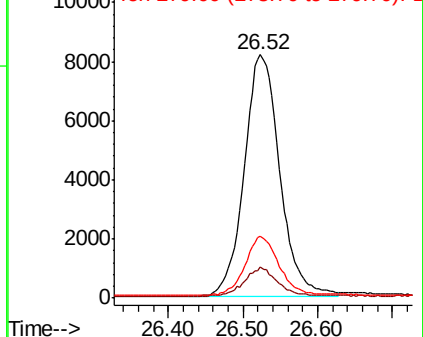
278 100

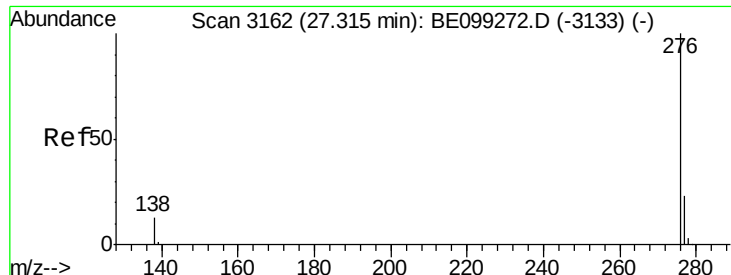
139 12.5 9.5 14.3

279 25.2 19.1 28.7



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.399 ng

RT: 27.31 min Scan# 3160

Delta R.T. -0.07 min

Lab File: BE099295.D

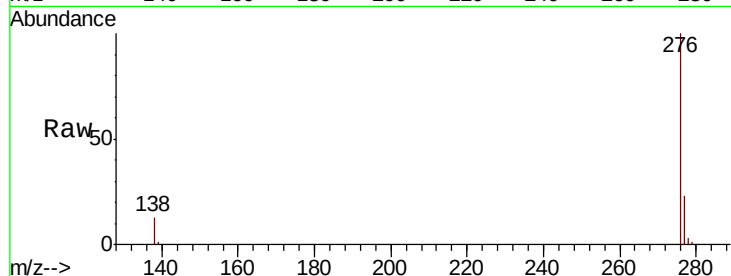
Acq: 4 Apr 2019 18:14

Instrument :

BNA_E

ClientSampleId :

PB118607BSD



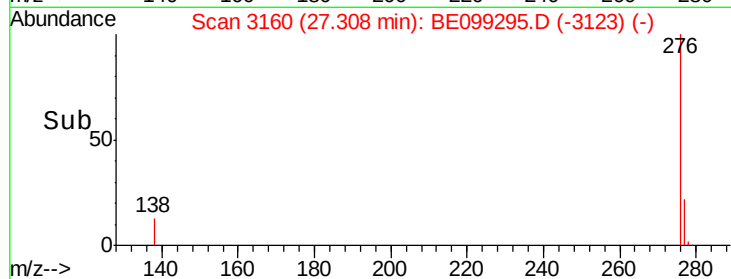
Tgt Ion: 276 Resp: 27813

Ion Ratio Lower Upper

276 100

277 22.7 19.0 28.4

138 13.5 11.1 16.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

